

1520-10

LIGHTING



ADELPHIA ELECTRIC CO.
125 N. 10TH STREET
PHILADELPHIA, PA.

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CCA



LIGHTING

or THEATRES

MOTION PICTURES

PHOTO STUDIOS

UNIVERSITIES

SCHOOLS

CHURCHES

STORES

WINDOW DISPLAYS

HOTELS – NIGHT CLUBS

DANCE HALLS

RESTAURANTS

PAGEANTS

FAIRS

by





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Printed in U.S.A.



PROGRESS

by



This book has been sent to you at your written request. It is replete with information and data pertaining to lighting equipment for theatrical, architectural, photographic, and special purposes.

It is not complete. In the scientific and engineering world, no work is ever complete. Tireless effort has gone into the making of it. Tireless effort will continue.

This book summarizes Century's present results after diligent research and broad experience in lighting problems in our field. This research and experience goes on and its results will be brought to you in the future in a better book.

10-70-54886 TCF



TERMS OF SALE

GENERAL INFORMATION


PRICES	Prices as listed are subject to change without notice. Quotations are made F.O.B. our factory and are contingent on strikes, fires or other conditions beyond our control. Packing included.
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GUARANTEE	CENTURY LIGHTING, INC., has its trade mark  stamped on all its merchandise. Look for it. It guarantees that all equipment is of perfect material and workmanship.

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THE LEKOLITE

The Lekolite provides a sharply controlled beam of high intensity. The two features making possible this characteristic are the precision given by an objective lens, such as is used in a stereopticon machine, and the efficient gathering of light output of the source by means of an elliptically shaped reflector. Furthermore, through the employment of accessories, the shape of the beam can be altered to give any simple geometric form. This control permits the illumination of a definitely determined area with either a greatly increased amount of light, or the same illumination with one-half to one-quarter the wattage involved before the introduction of the Lekolite.

LEKOLITES

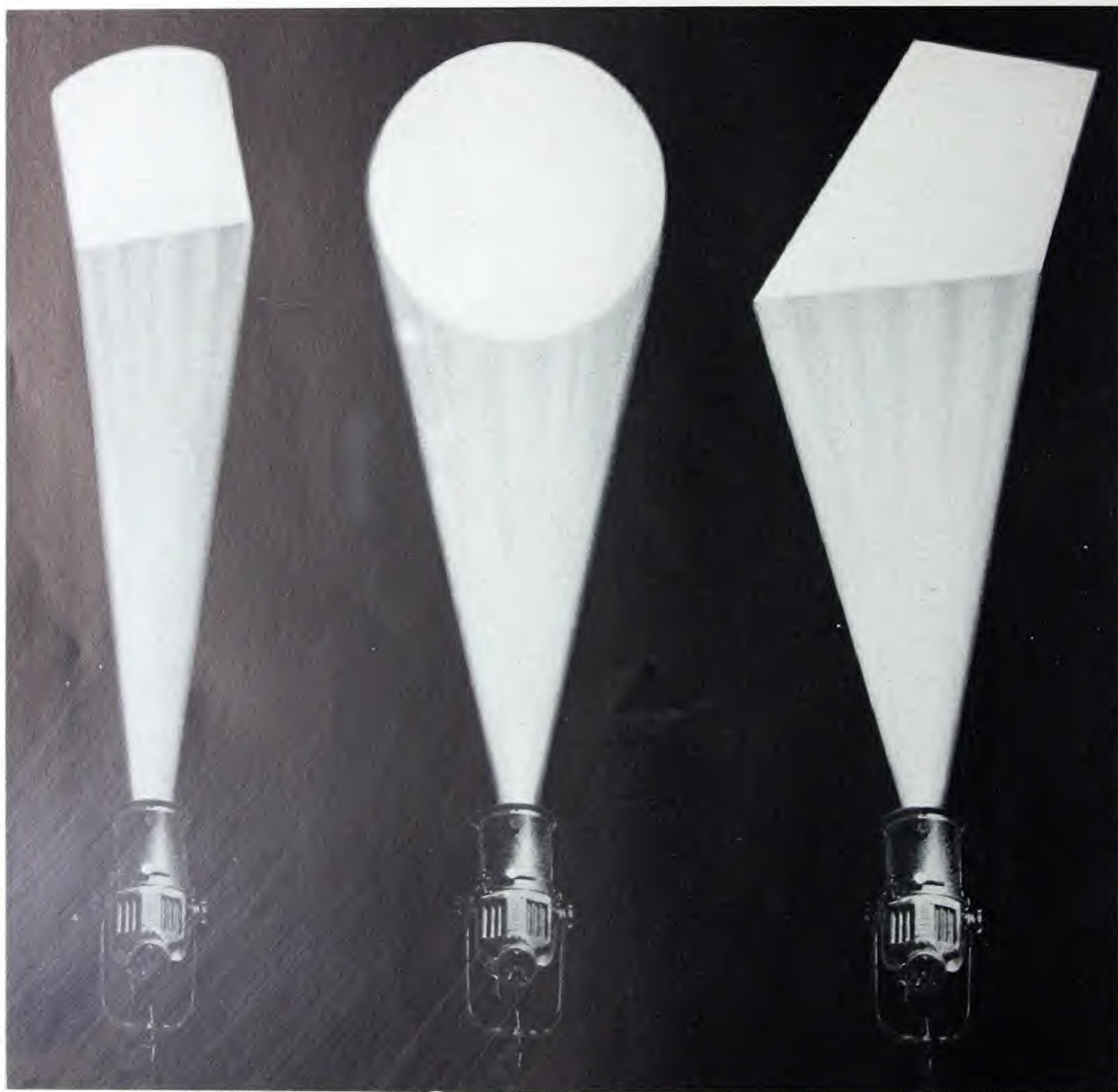


CENTURY

LEKOLITES

AFFORD

BEAM CONTROL

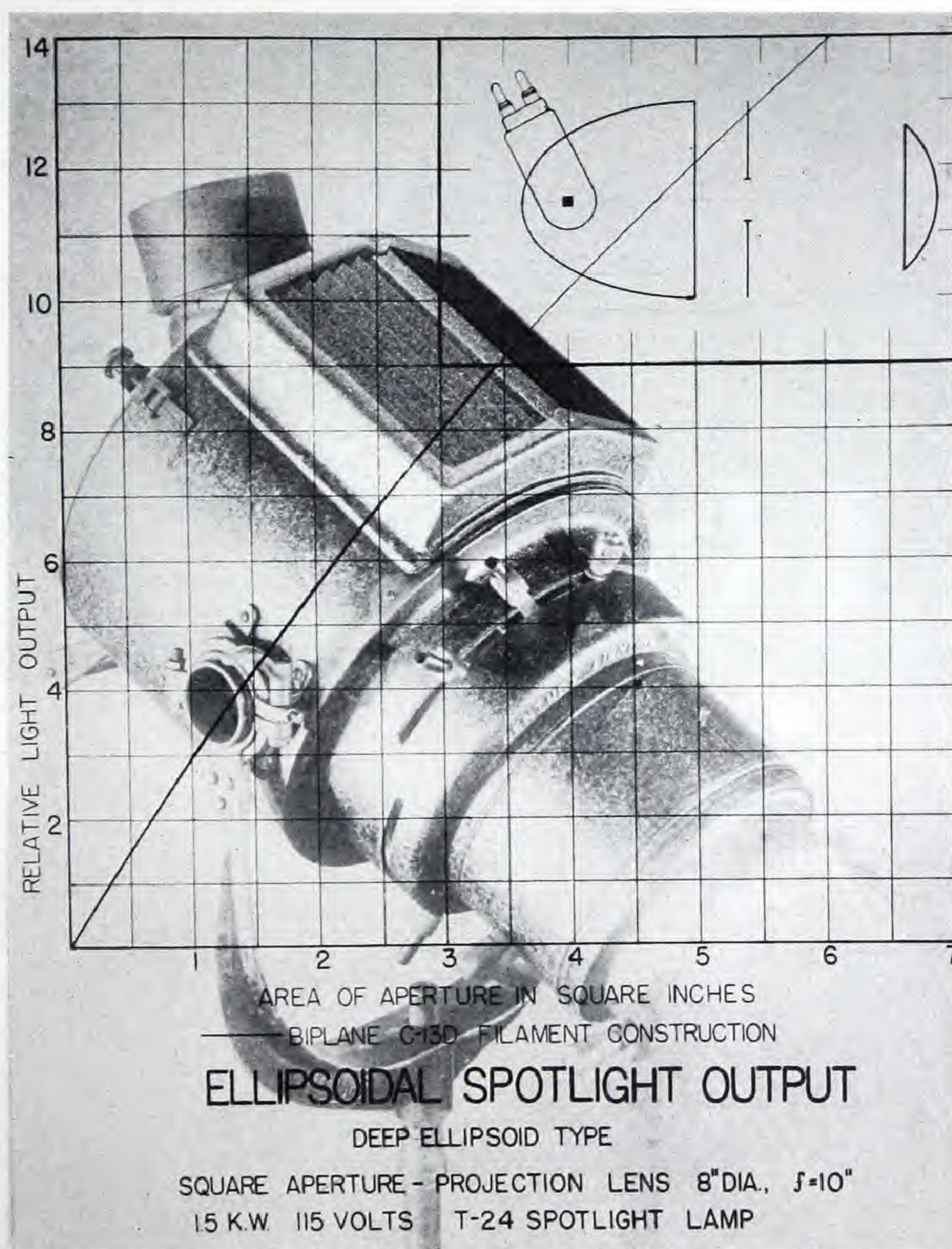


CENTURY LIGHTING INC., 419 WEST 55th STREET, NEW YORK

LEKOLITES

ARE

EFFICIENT



LEKOLITES HAVE



Miss Cornell in G. B. Shaw's "St. Joan"
Designed by Jo Mielziner



Norman Bel Geddes' setting of Sidney
Kingsley's "Dead End"



Maurice Evans in "Richard II"
Designed by D. Ffolkes



Leslie Howard in "Hamlet"
Setting by Stewart Chaney



G. McClintic production of "Winterset"
Designed by Jo Mielziner



Theatre Guild's "Idiot's Delight"
Setting by Lee Simonson



Bonwit Teller 5th Avenue
Store Window-Surrealism



Columbia Broadcasting Theatre
Wm. Lescaze, Architect

WIDE APPLICATION



Maxwell Anderson's "High Tor"
Setting by Jo Mielziner



Billy Rose's Ft. Worth Fair
Designed by Albert Johnson



Vinton Freedley's "Red Hot and Blue"
Designed by Donald Oenslager

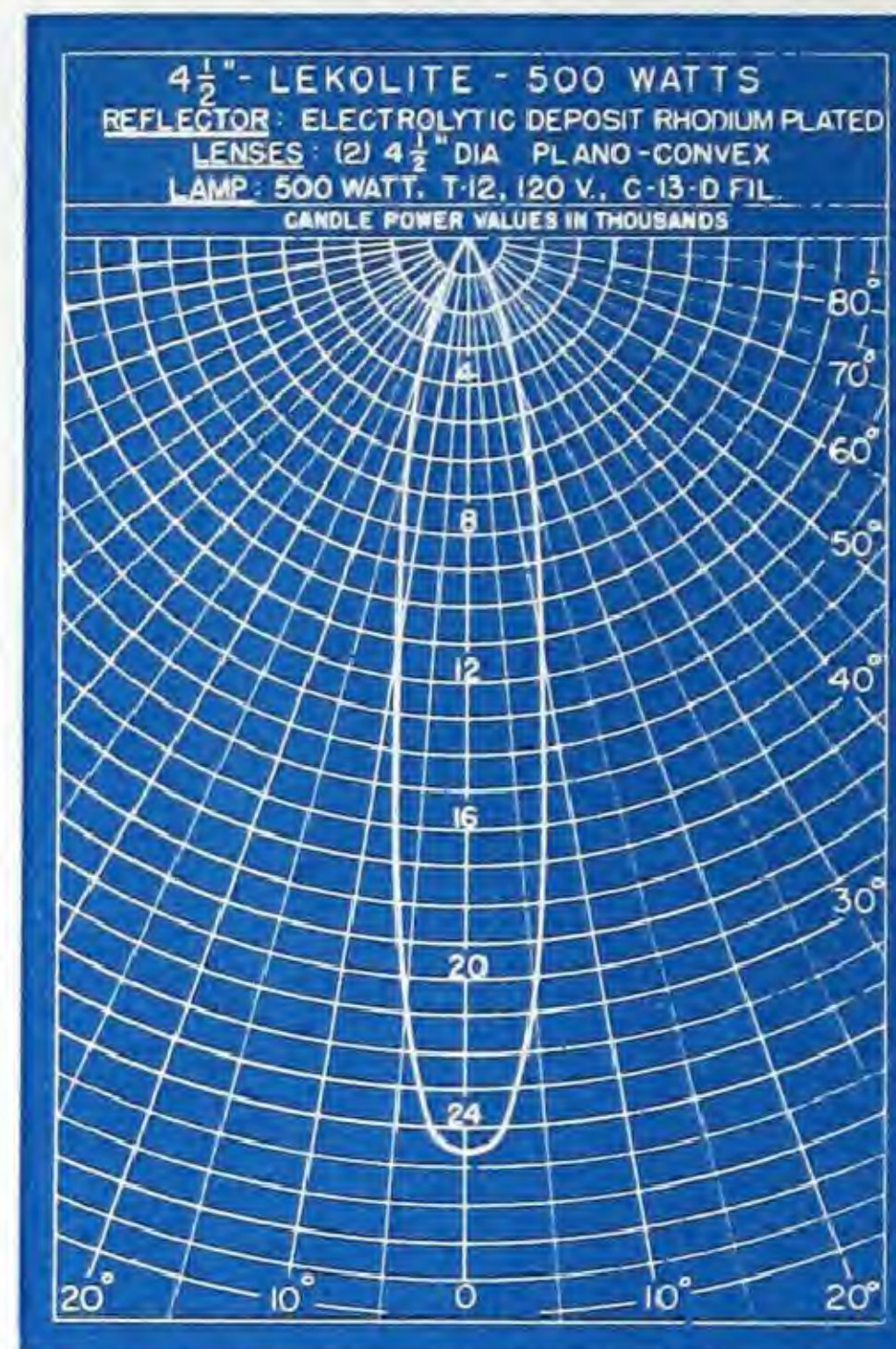
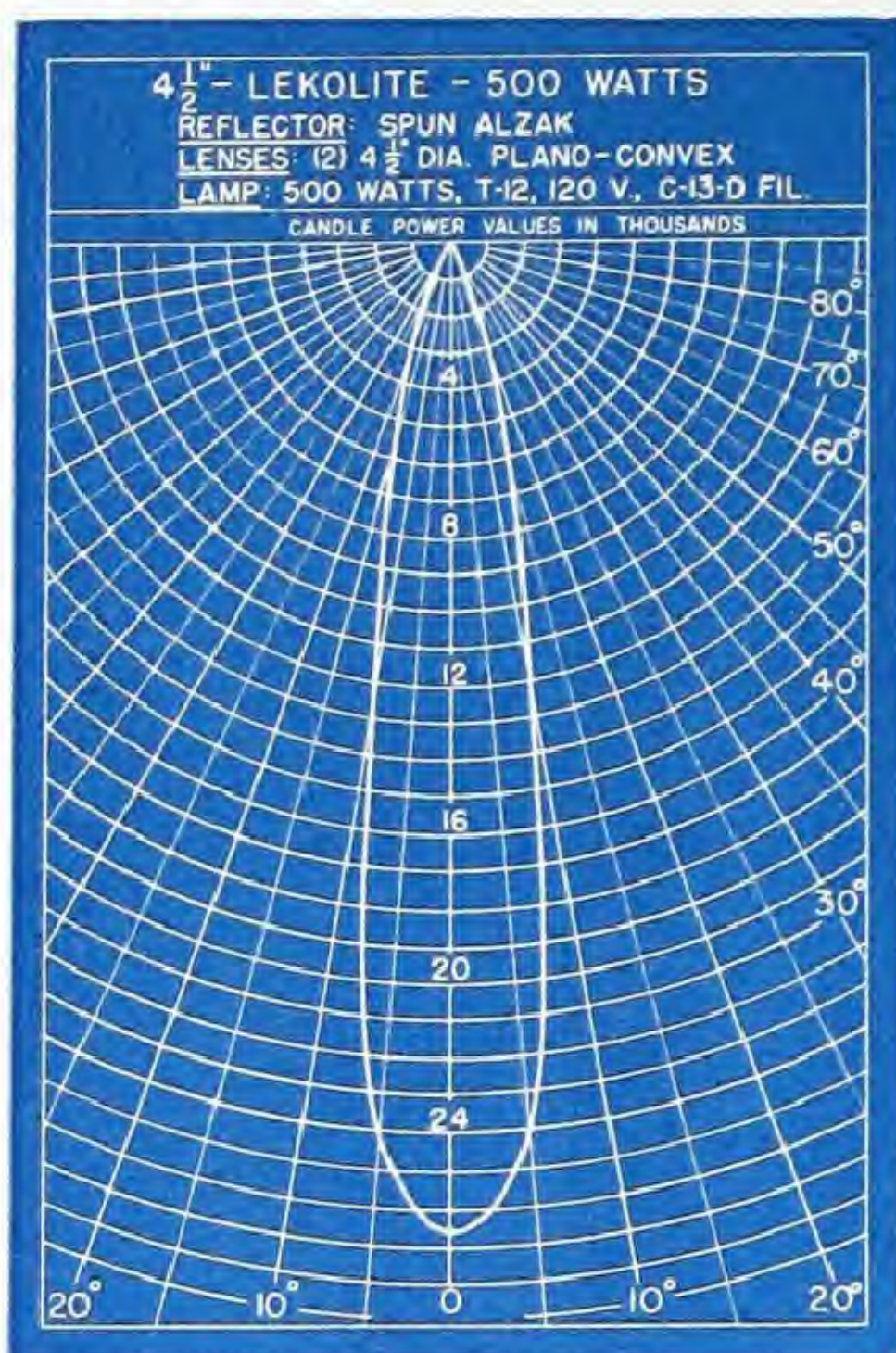


Rockefeller International Building
Hofmeister & Reinhart, Architects

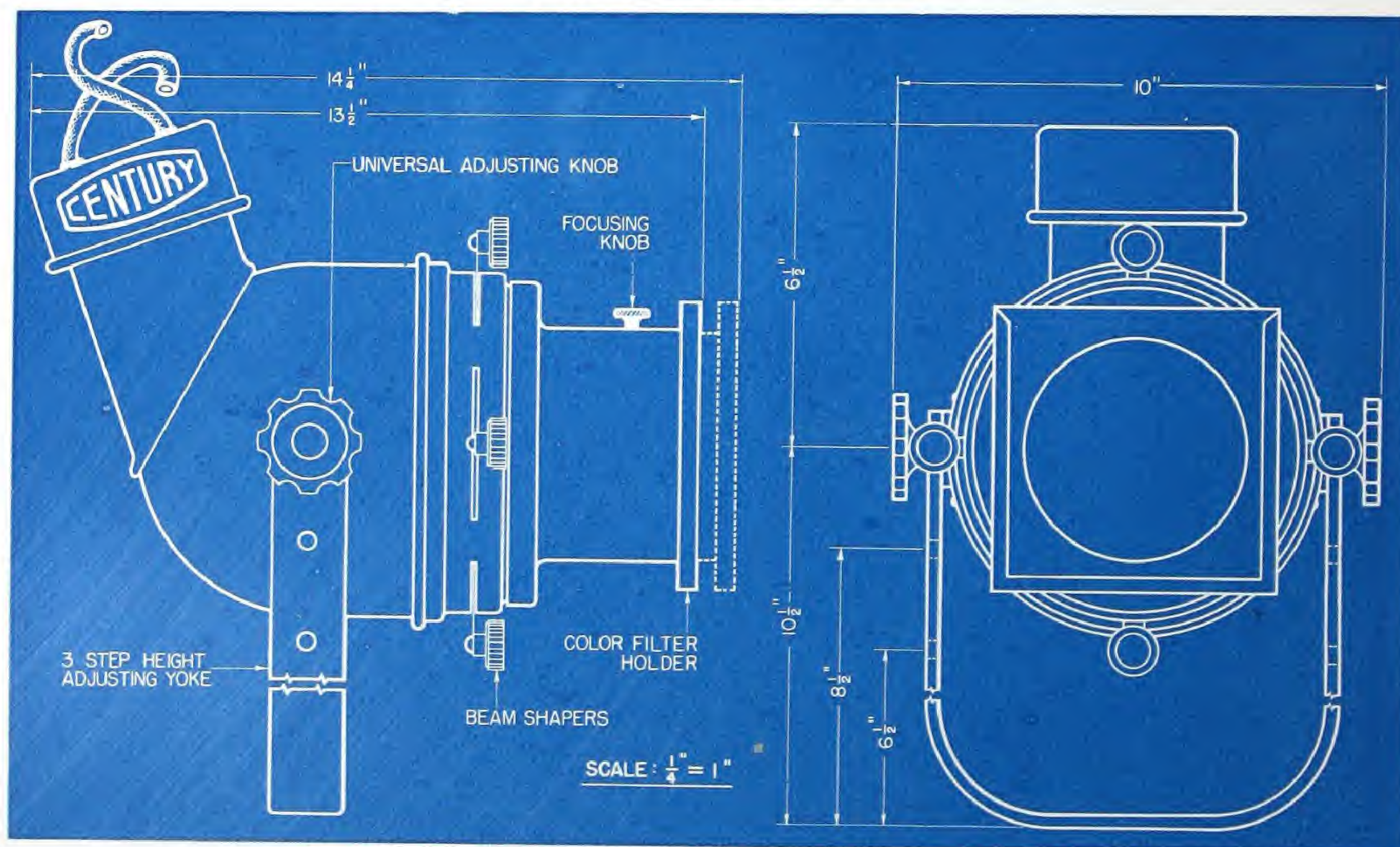


St. Louis Municipal Opera: Setting by Raymond Sovay

LEKOLITES



DIMENSIONAL DATA



LEKOLITES

4 1/2" LENS 100 }
 250 } WATTS
 500 }

CHARACTERISTICS:

Sharp definition of beam
 Wide angle spread. Maximum: 1 ft. spread
 at 1 ft. distance

REFLECTOR:

Ellipsoidal electrolytically formed Rhodium OR
 Alzak process aluminum

LENS SYSTEM:

2—4 1/2" diameter by 6 1/2" focal length, heat
 resisting condensing lenses

LAMPS:

Prefocus Base. Burn Base Up
 100 watt T10, C13 Filament
 250 watt T12, C13 Filament
 500 watt T12, C13D Filament
 110, 115 or 120 volts
 Average Rated Life: 200 or 800 hours



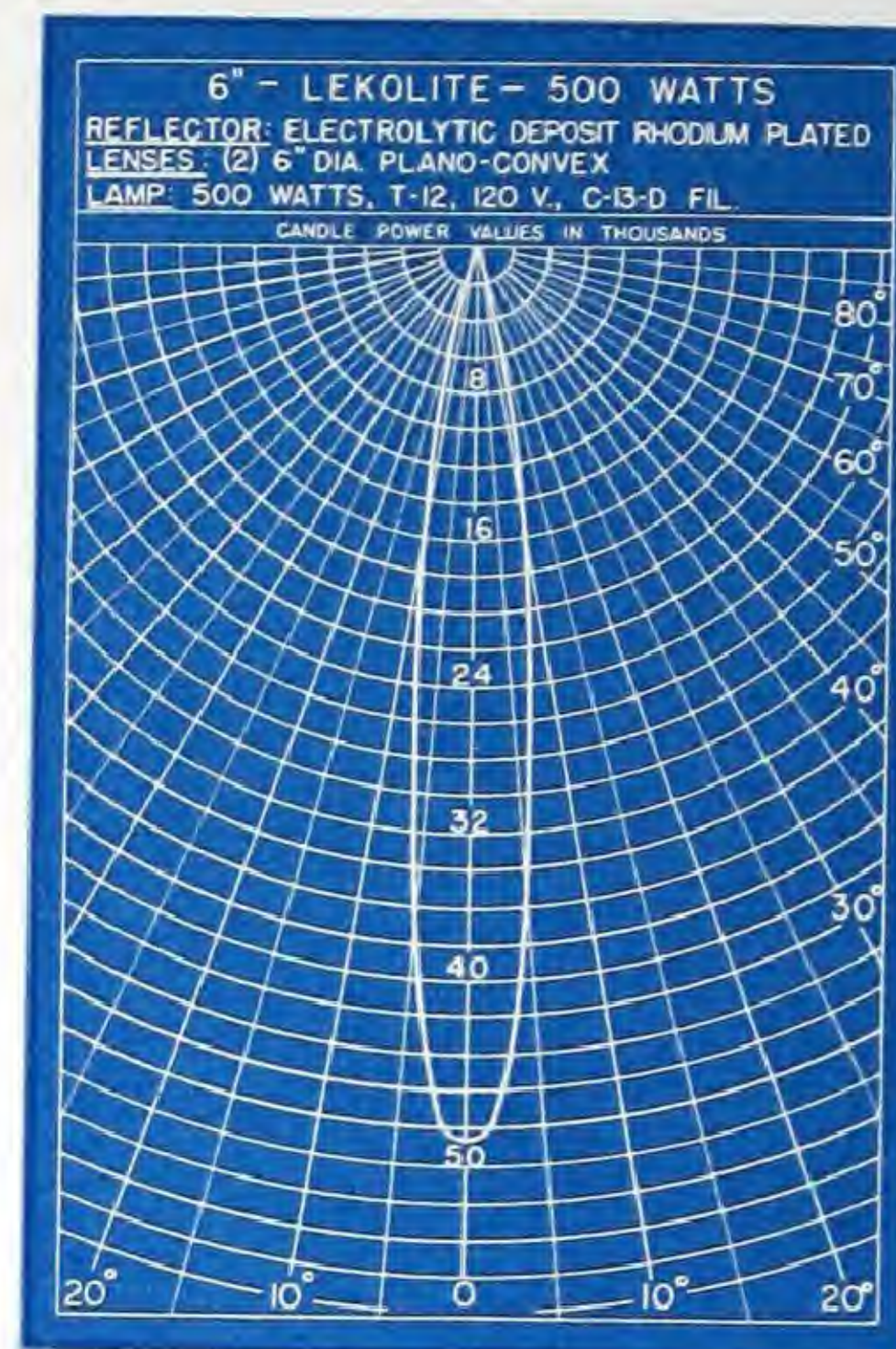
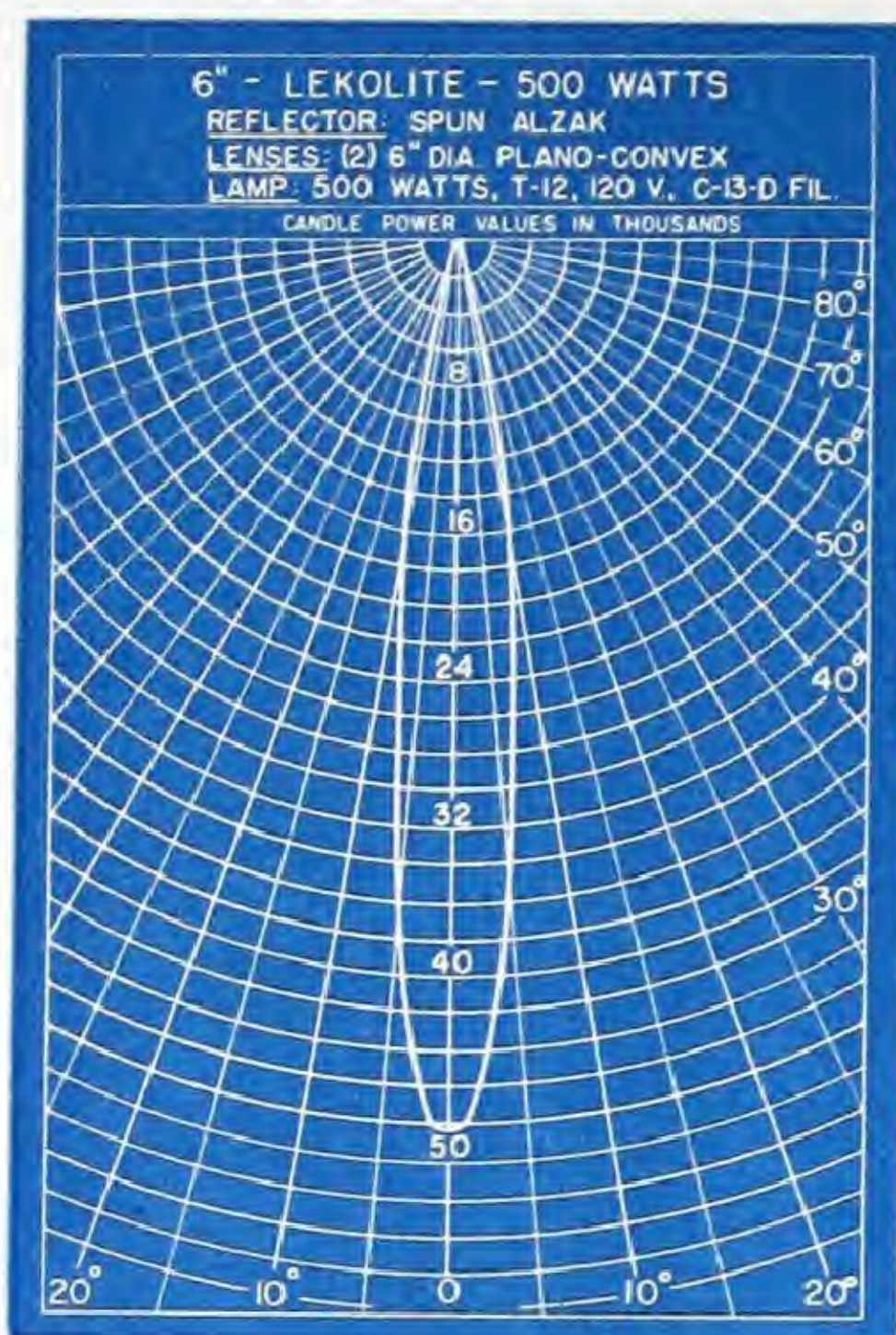
SERIES NO. 1580

The prices of the 1580 Series include the following fittings: Yoke and malleable iron C clamp to grip up to 2" pipe or yoke with 9" base. 2 ft. wire lead. Metal color frame. Black crystal finish. No lamps included.

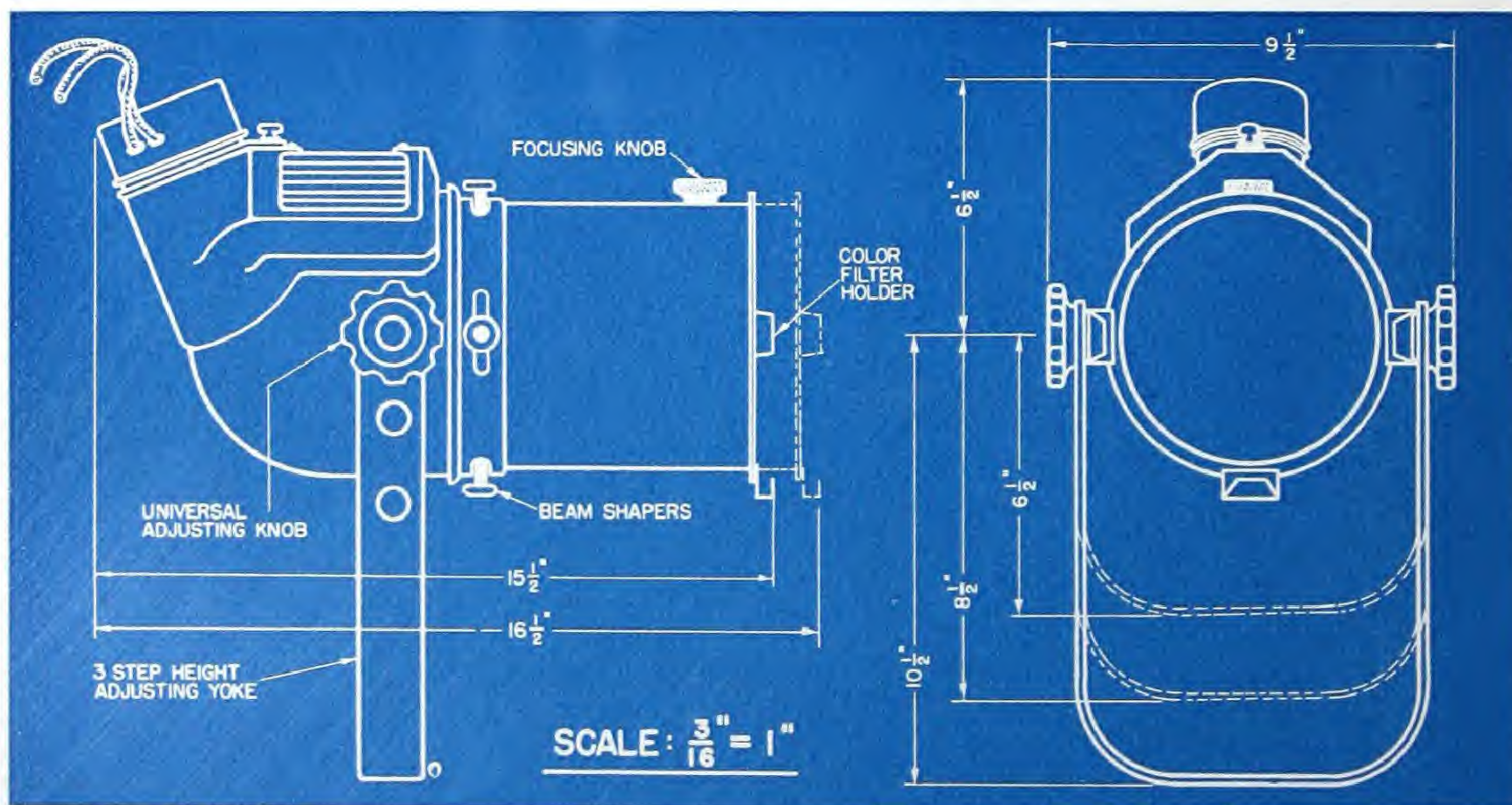
Cat. No.	Controls	List Price
1583	Template forms—3 circular apertures and 1—4 way adjustable aperture	\$32.00
1581	Built-in vertical and horizontal shutters individually operated with swivel device for oblique shaping	40.00
1582	Built-in Iris only	40.00
1585	Combination of independently operated Iris and vertical and horizontal shutters. Shutters operated in pairs with swivel device for oblique shaping	60.00
1584	Combination of independently operated Iris and vertical and horizontal shutters. Shutters independently operated with swivel device for oblique shaping	55.00

ACCESSORIES AND LAMPS: SEE PAGE 22
 RHODIUM REFLECTORS: ADD 10% TO LIST PRICE
 MADE FOR OUTDOOR APPLICATION ON ORDER

LEKOLITES



DIMENSIONAL DATA



LEKOLITES

6" LENS 100 }
 250 } WATTS
 500 }

CHARACTERISTICS:

Sharp definition of beam
Wide angle spread. Maximum: .65 ft. spread
at 1 ft. distance

REFLECTOR:

Ellipsoidal electrolytically formed Rhodium OR
Alzak process aluminum

LENS SYSTEM:

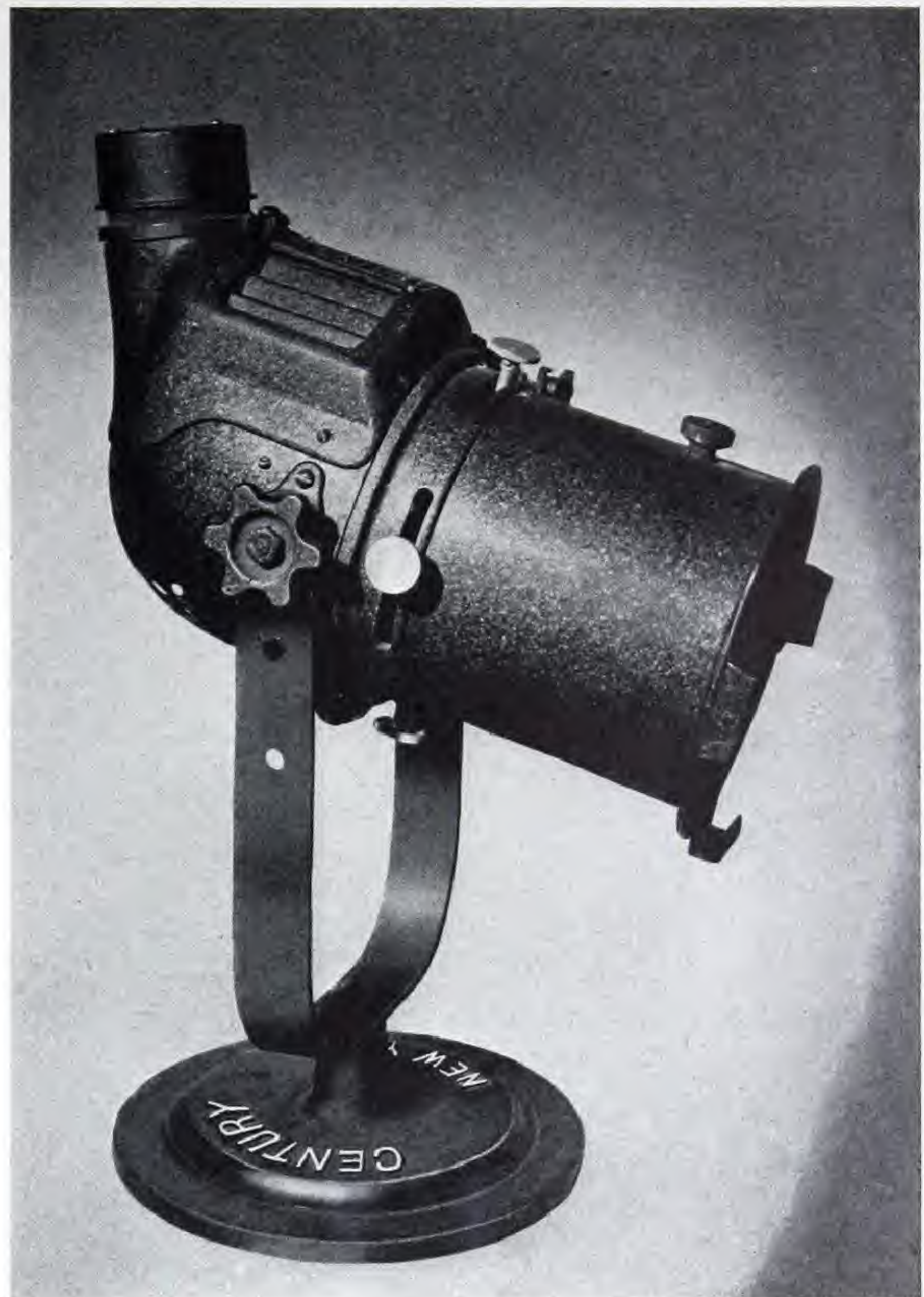
2—6" diameter by 9" focal length, heat
resisting condensing lenses

LAMPS:

Prefocus Base. Burn Base Up
100 watt T10, C13 Filament
250 watt T12, C13 Filament
500 watt T12, C13D Filament

110, 115 or 120 volts

Average Rated Life: 200 or 800 hours



SERIES NO. 1590

The prices of the 1590 Series include the following fittings: Yoke and malleable iron C clamp to grip up to 2" pipe or yoke with 9" base. 2 ft. wire lead. Metal color frame. Black crystal finish. No lamps included.

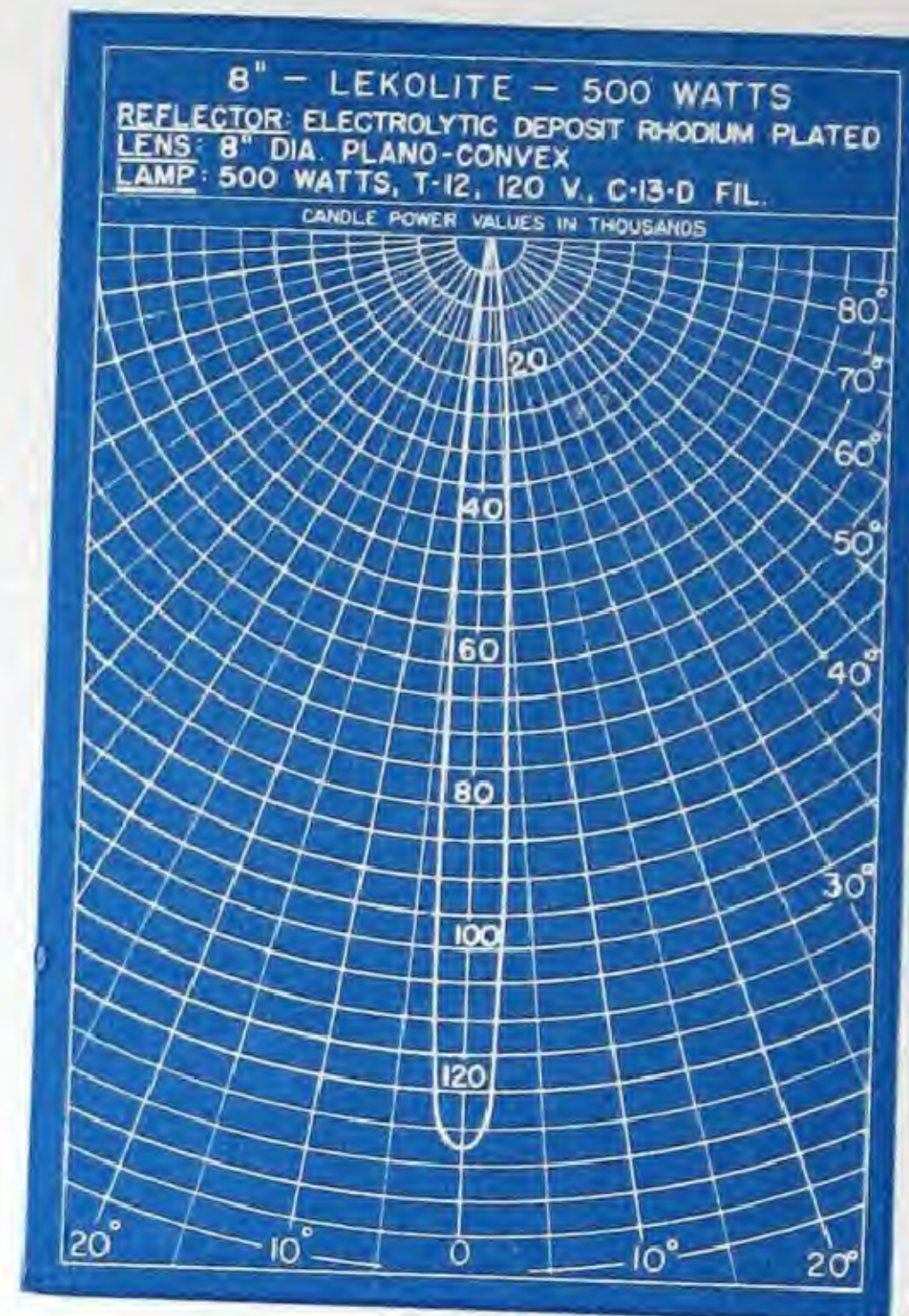
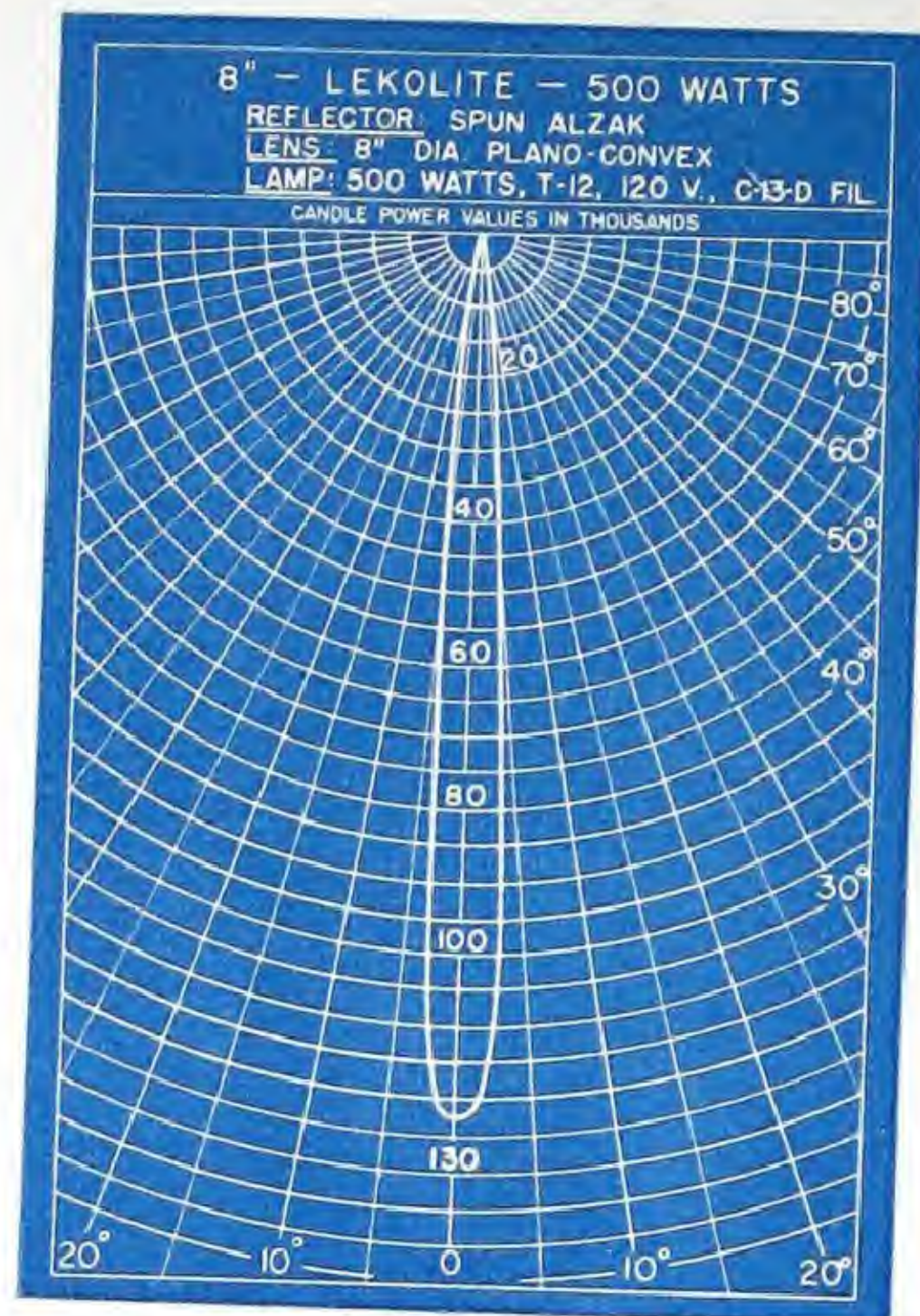
<u>Cat. No.</u>	<u>Controls</u>	<u>List Price</u>
1590	Template forms—3 circular apertures and 1—4 way adjustable aperture	\$40.00
1591	Built-in vertical and horizontal shutters individually operated with swivel device for oblique shaping	50.00
1592	Built-in Iris only	50.00
1595	Combination of independently operated Iris and vertical and horizontal shutters. Shutters operated in pairs with swivel device for oblique shaping	80.00
1593	Combination of independently operated Iris and vertical and horizontal shutters. Shutters independently operated with swivel device for oblique shaping	60.00

ACCESSORIES AND LAMPS: SEE PAGE 22

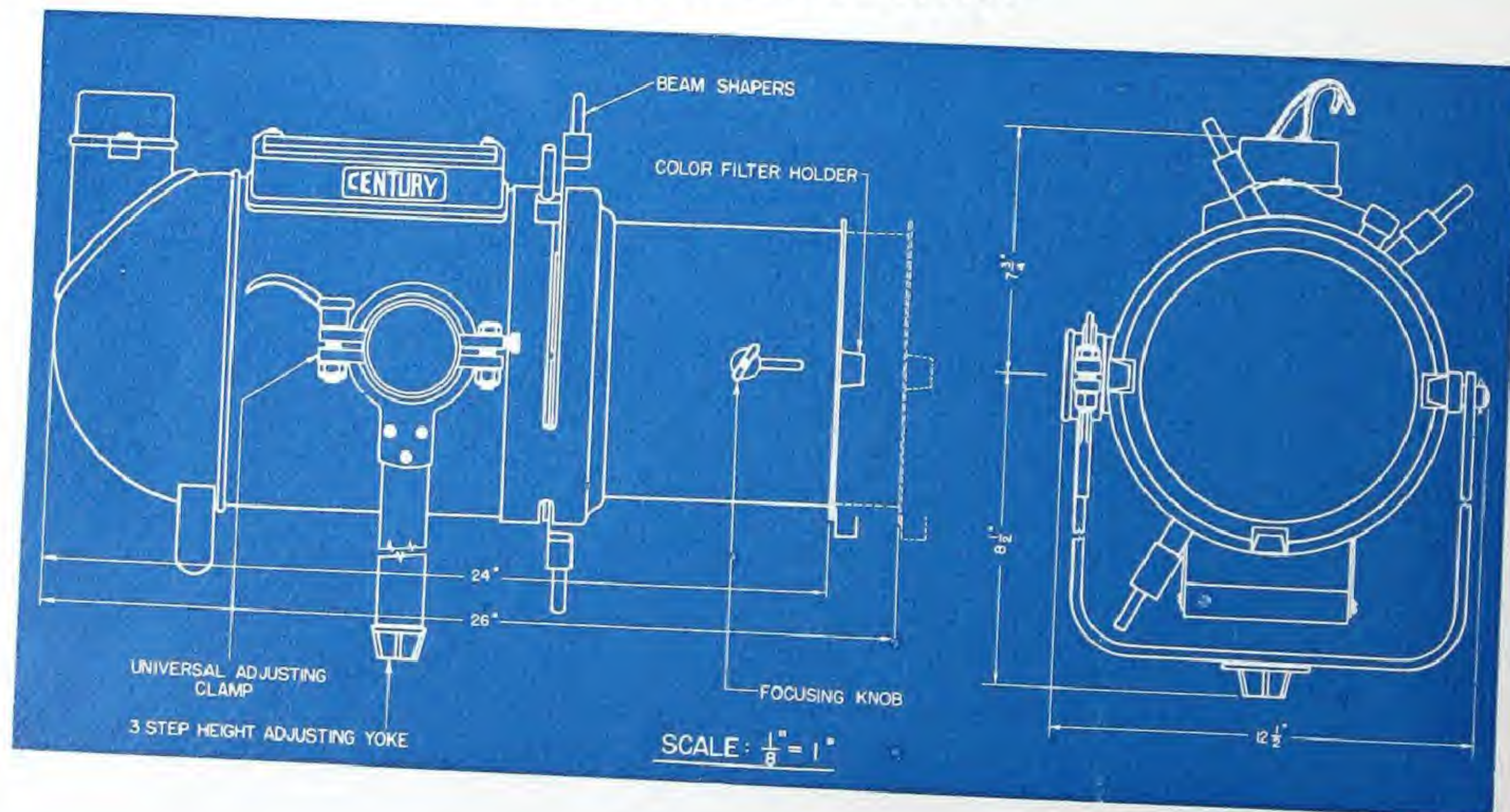
RHODIUM REFLECTORS: ADD 10% TO LIST PRICE

MADE FOR OUTDOOR APPLICATION ON ORDER

LEKOLITES



DIMENSIONAL DATA



LEKOLITES

8" LENS 100 }
 250 } WATTS
 500 }

CHARACTERISTICS:

Sharp definition of beam
 Narrow angle spread. Maximum: .33 ft. spread
 at 1 ft. distance

REFLECTOR:

Ellipsoidal electrolytically formed Rhodium OR
 Alzak process aluminum

LENS SYSTEM:

8" diameter by 7 1/2" focal length, heat resisting
 Fresnel lens OR 8" diameter by 10" focal
 length, heat resisting condensing lens

LAMPS:

Prefocus Base. Burn Base Up
 100 watt T10, C13 Filament
 250 watt T12, C13 Filament
 500 watt T12, C13D Filament

110, 115 or 120 volts

Average Rated Life: 200 or 800 hours



SERIES NO. 1570

The prices of the 1570 Series include the following fittings: Yoke and malleable iron C clamp to grip up to 2" pipe. 2 ft. wire lead. Metal color frame. Black crystal finish. No lamps included.

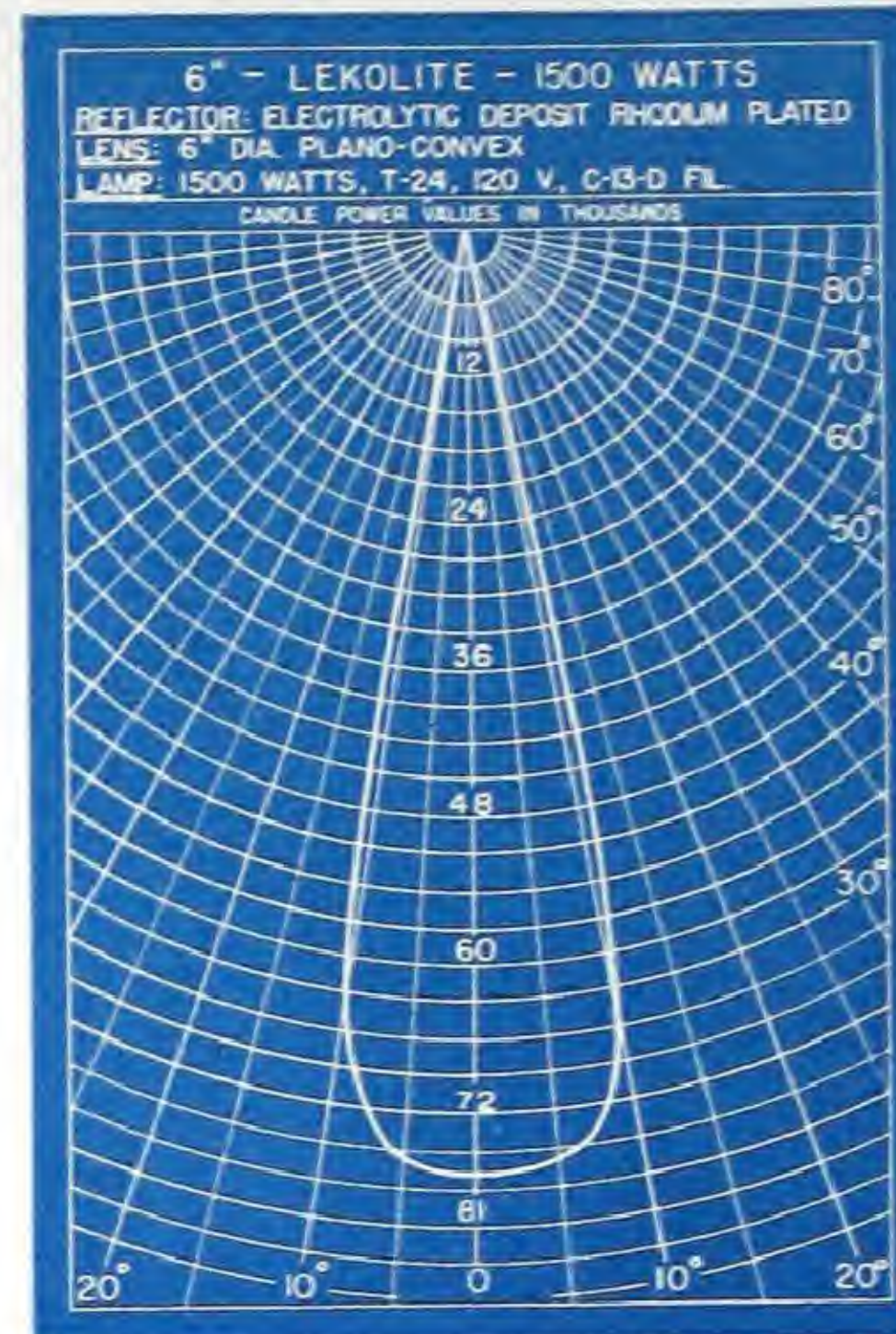
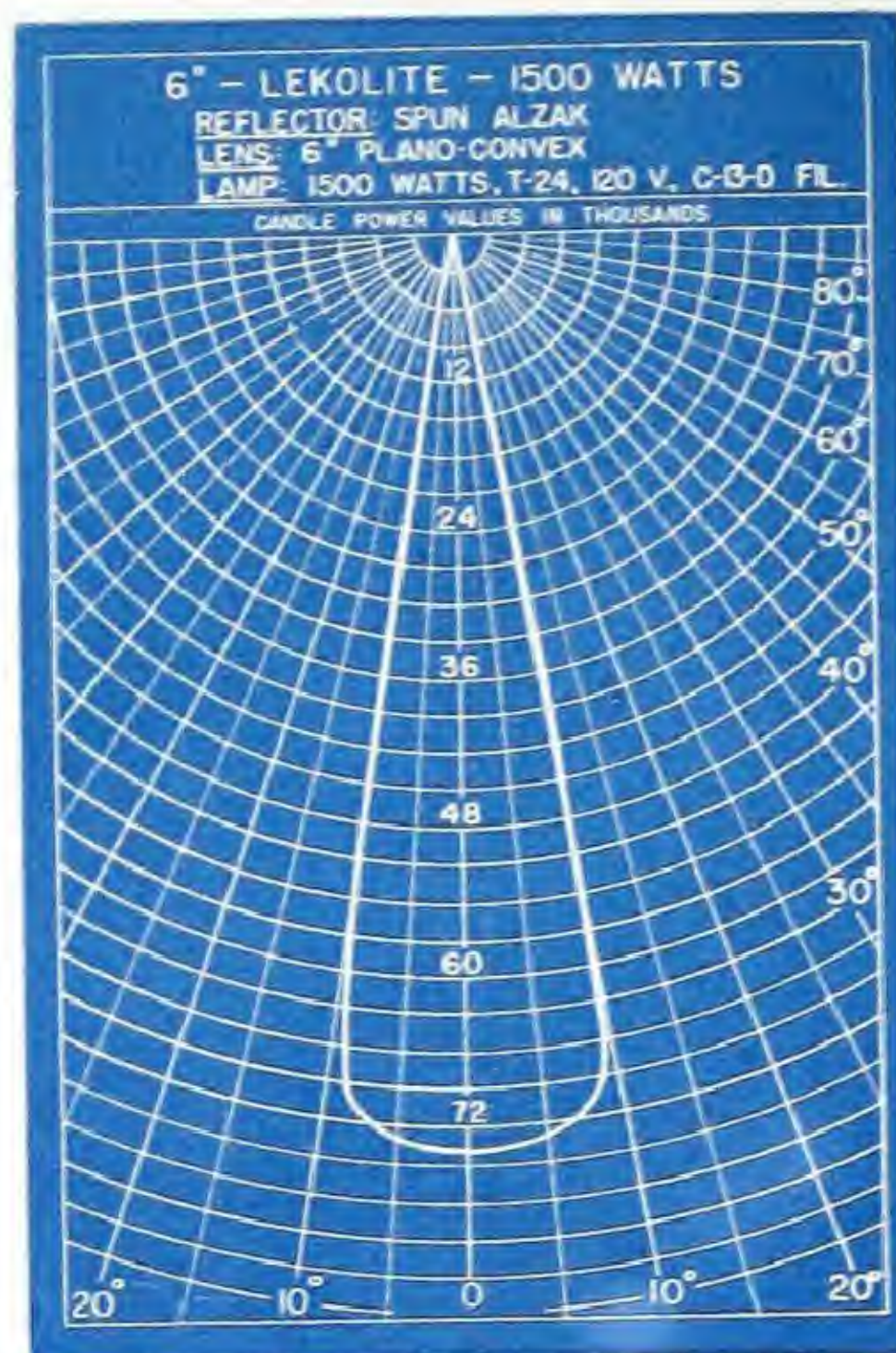
Cat. No.	Controls	List Price
1573	Template forms—3 circular apertures and 1—4 way adjustable aperture	
	8" x 10"	\$50.00
	8" x 7 1/2"	47.00
1575	Built-in vertical and horizontal shutters individually operated with swivel device for oblique shaping	
	8" x 10"	60.00
	8" x 7 1/2"	57.00
1572	Built-in Iris only	
	8" x 10"	60.00
	8" x 7 1/2"	57.00
1574	Combination of independently operated Iris and vertical and horizontal shutters. Shutters operated in pairs with swivel device for oblique shaping	
	8" x 10"	90.00
	8" x 7 1/2"	87.00
1570	Combination of independently operated Iris and vertical and horizontal shutters. Shutters independently operated with swivel device for oblique shaping	
	8" x 10"	70.00
	8" x 7 1/2"	67.00

ACCESSORIES AND LAMPS: SEE PAGE 22

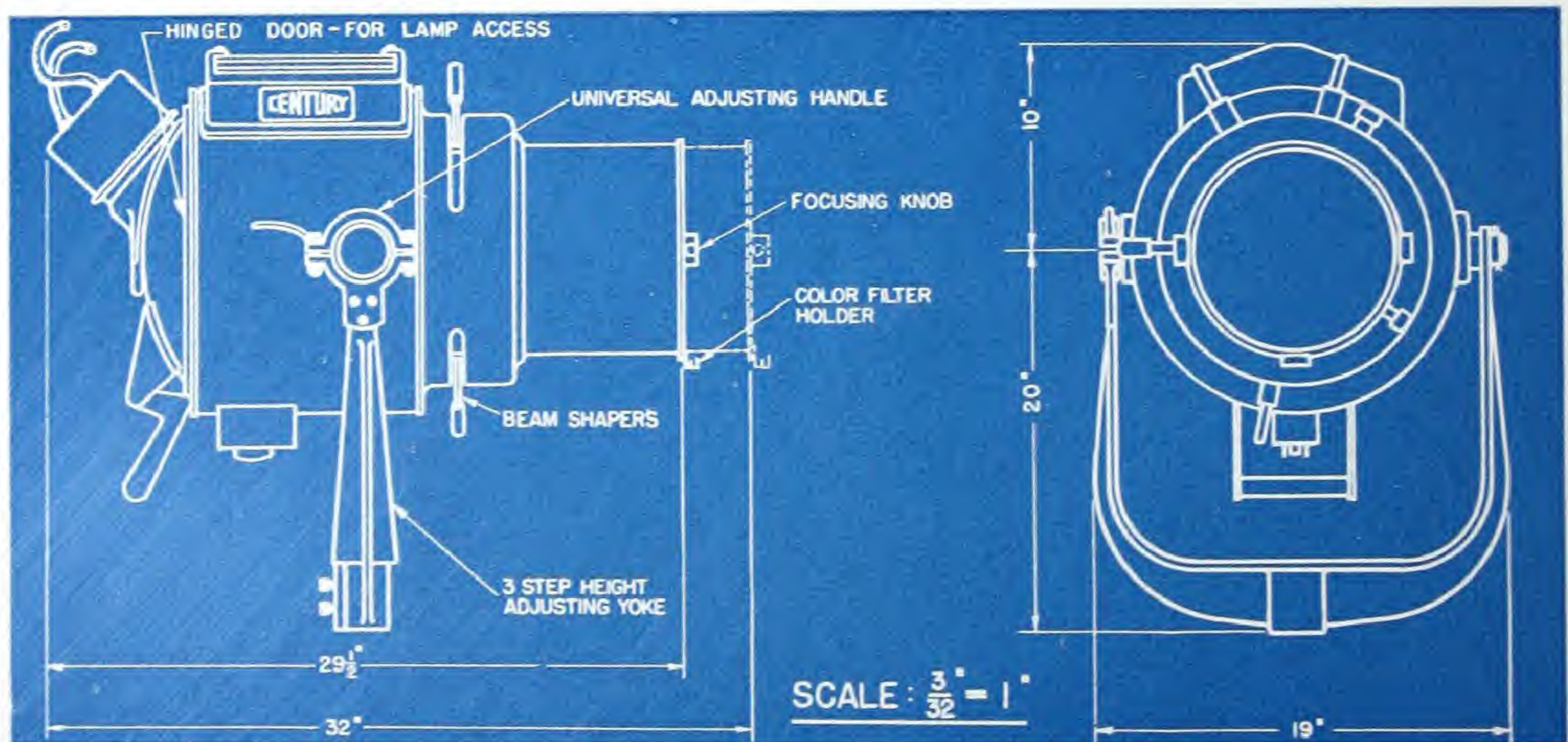
RHODIUM REFLECTORS: ADD 10% TO LIST PRICE

MADE FOR OUTDOOR APPLICATION ON ORDER

LEKOLITES



DIMENSIONAL DATA



LEKOLITES

6" LENS 1000 }
 1500 } WATTS
 2000 }

CHARACTERISTICS:

Sharp definition of beam
Wide angle spread. Maximum spread at 1 ft. distance
With Iris: .65 ft. spread — With Framing Shutters: .45 ft. spread

REFLECTOR:

Ellipsoidal electrolytically formed Rhodium OR Alzak process aluminum

LENS SYSTEM:

6" diameter by 9" focal length, heat resisting lens

LAMPS:

Bipost Base. Burn Base Up
1000 watt T24, C13D Filament
1500 watt T24, C13D Filament
2000 watt T30, C13D Filament
110, 115 or 120 volts
Average Rated Life: 200 hours



SERIES NO. 1550

The prices of the 1550 Series include the following fittings: Yoke. Tripod base with rubber casters and telescopic pipe (5 to 8 ft.). 2 ft. wire lead. Metal color frame. Conveniently located toggle switch. Hinged back door for lamp access. Black crystal finish. No lamps included.

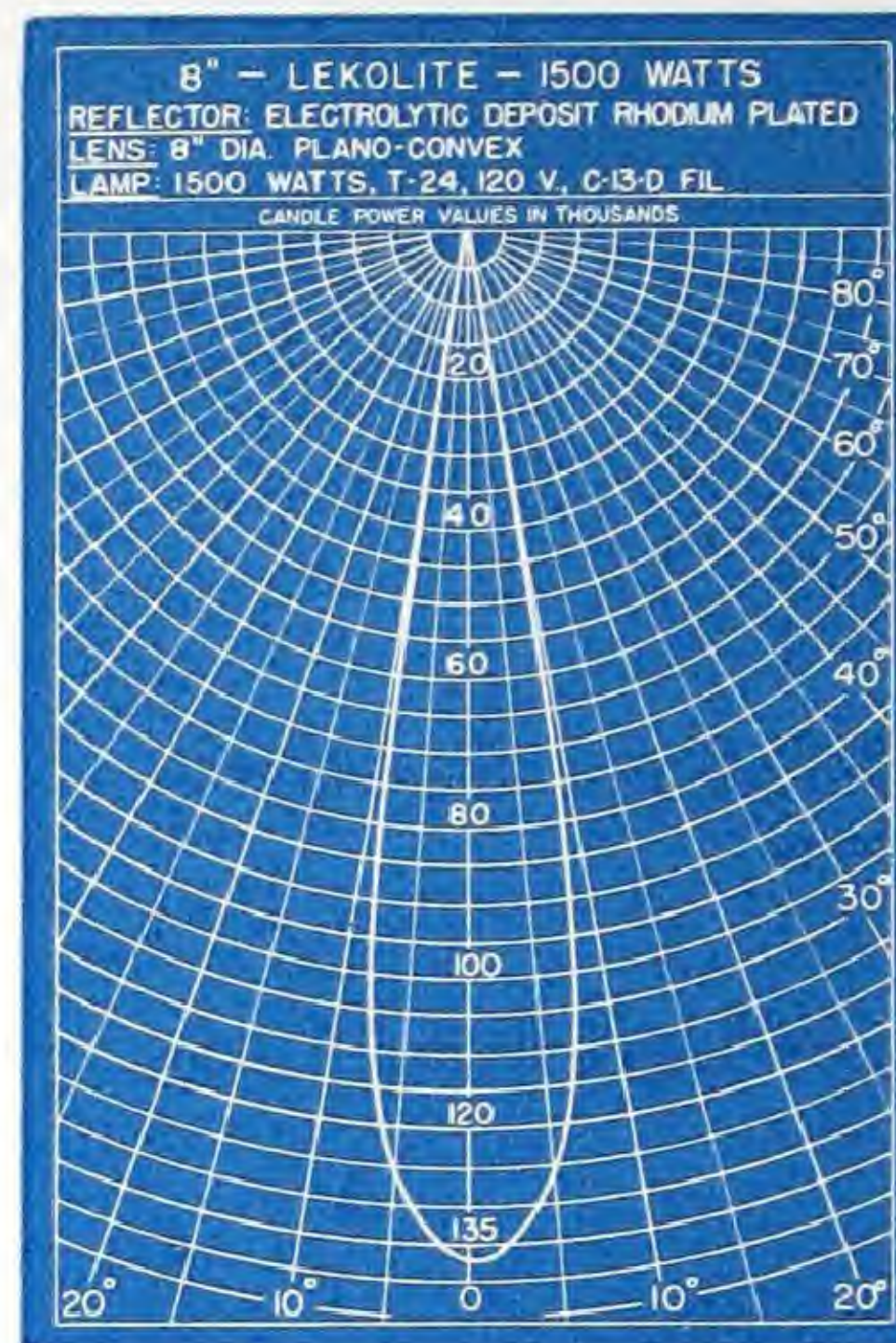
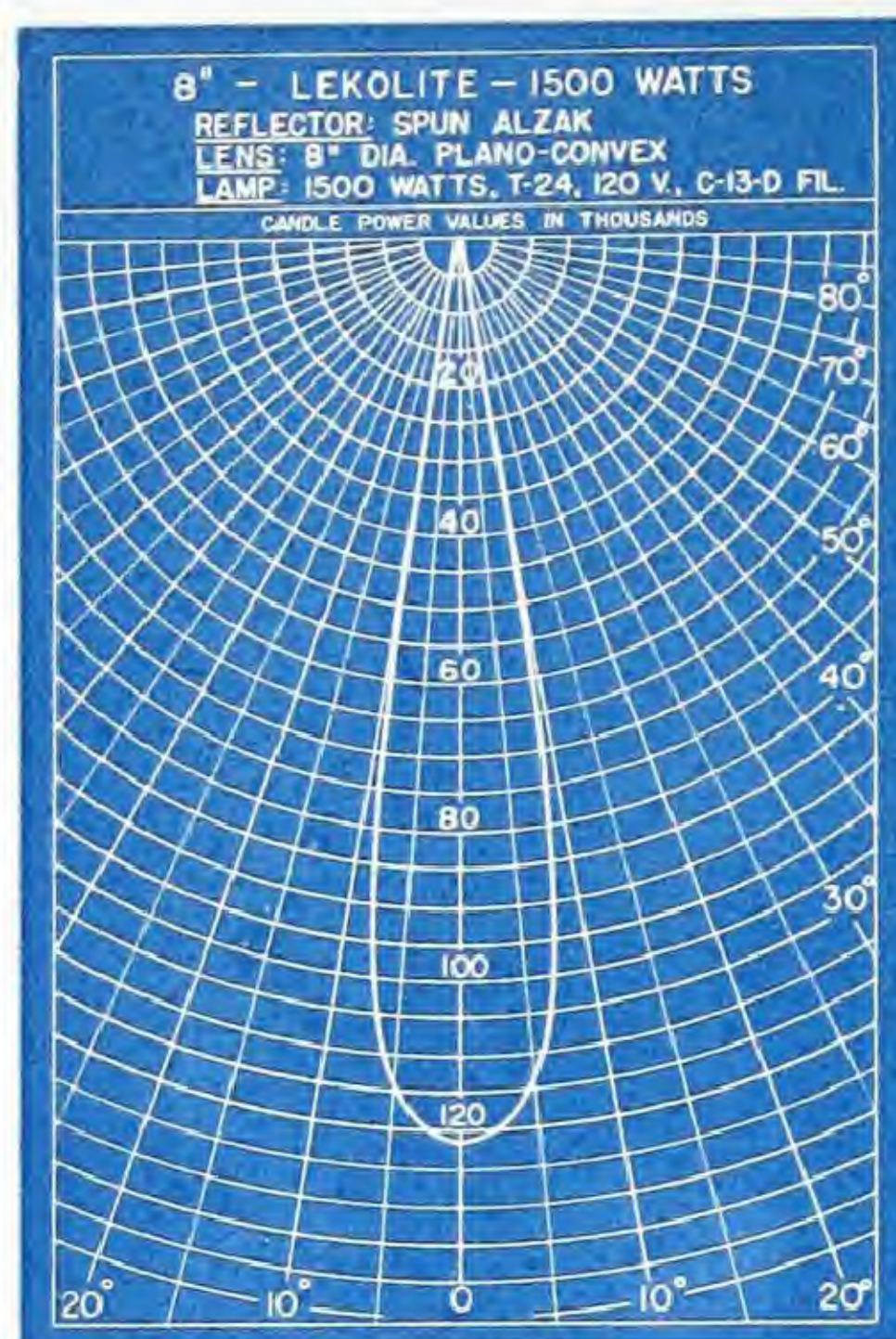
Cat. No.	Controls	List Price
1559	Template forms—3 circular apertures and 1—4 way adjustable aperture	\$110.00
1551	Built-in vertical and horizontal shutters individually operated with swivel device for oblique shaping	130.00
1552	Built-in Iris only	130.00
1553	Combination of independently operated Iris and vertical and horizontal shutters. Shutters operated in pairs with swivel device for oblique shaping	170.00
1554	Combination of independently operated Iris and vertical and horizontal shutters. Shutters operated independently with swivel device for oblique shaping	150.00

ACCESSORIES AND LAMPS: SEE PAGE 22

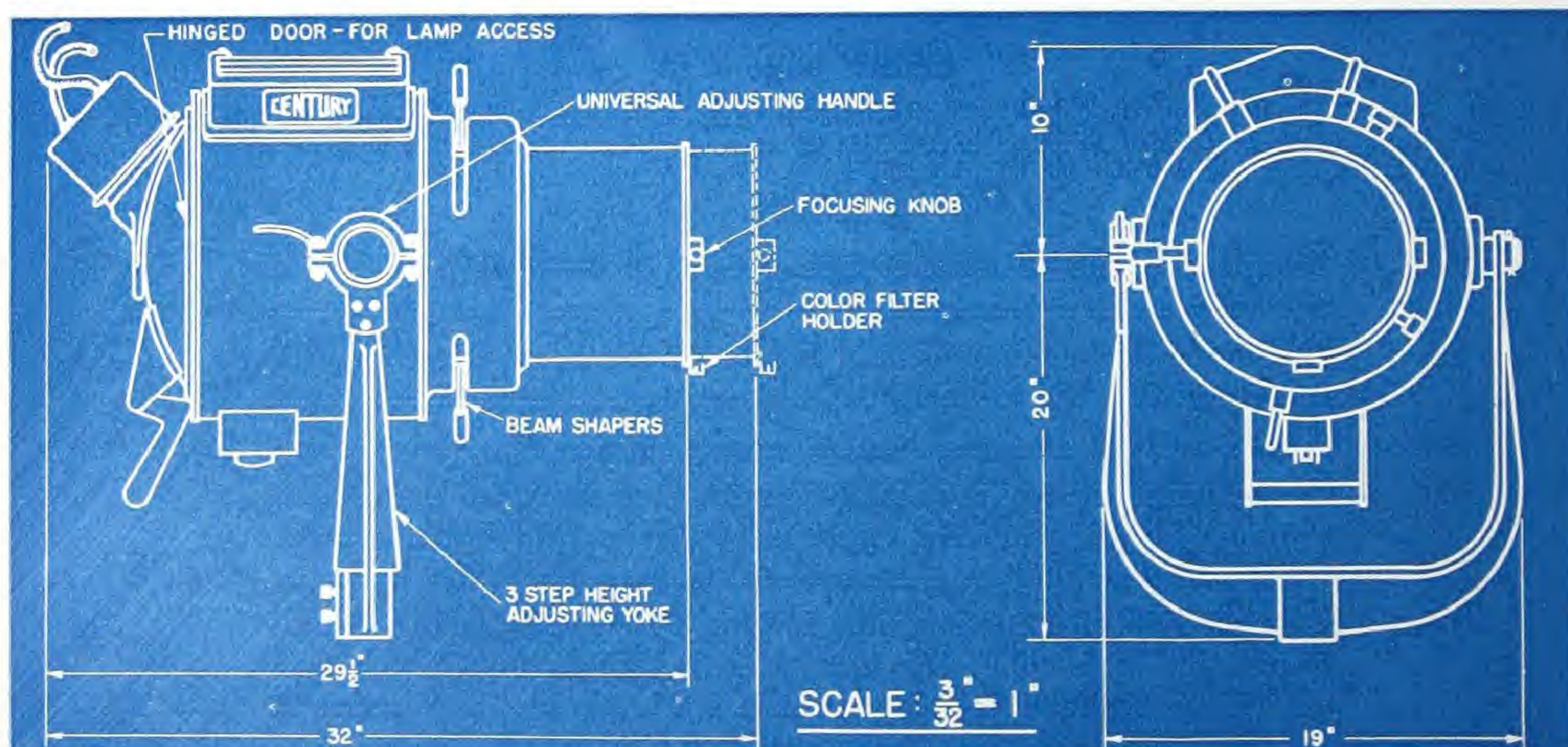
RHODIUM REFLECTORS: ADD 10% TO LIST PRICE

MADE FOR OUTDOOR APPLICATION ON ORDER

LEKOLITES



DIMENSIONAL DATA



LEKOLITES

8" LENS 1000 }
 1500 } WATTS
 2000 }

CHARACTERISTICS:

Sharp definition of beam
Narrow angle spread. Maximum: .33 ft. spread
at 1 ft. distance

REFLECTOR:

Ellipsoidal electrolytically formed Rhodium OR
Alzak process aluminum

LENS SYSTEM:

8" diameter by 7 1/2" focal length, heat resisting
Fresnel lens OR 8" diameter by 10" focal
length, heat resisting condensing lens

LAMPS:

Bipost Base. Burn Base Up
1000 watt T24, C13D Filament
1500 watt T24, C13D Filament
2000 watt T30, C13D Filament
110, 115 or 120 volts
Average Rated Life: 200 hours



SERIES NO. 1560

The prices of the 1560 Series include the following fittings: Yoke. Tripod base with rubber casters and telescopic pipe (5 to 8 ft.). 2 ft. wire lead. Metal color frame. Conveniently located toggle switch. Hinged back door for lamp access. Black crystal finish. No lamps included.

Cat. No.	Controls	List Price
1563	Template forms—3 circular apertures and 1—4 way adjustable aperture	
	8" x 10"	\$115.00
	8" x 7 1/2"	112.00
1565	Built-in vertical and horizontal shutters individually operated with swivel device for oblique shaping	
	8" x 10"	135.00
	8" x 7 1/2"	132.00
1564	Built-in Iris only	
	8" x 10"	135.00
	8" x 7 1/2"	132.00
1560	Combination of independently operated Iris and vertical and horizontal shutters. Shutters operated in pairs with swivel device for oblique shaping	
	8" x 10"	175.00
	8" x 7 1/2"	172.00
1561	Combination of independently operated Iris and vertical and horizontal shutters. Shutters operated independently with swivel device for oblique shaping	
	8" x 10"	155.00
	8" x 7 1/2"	152.00

ACCESSORIES AND LAMPS: SEE PAGE 22

RHODIUM REFLECTORS: ADD 10% TO LIST PRICE

MADE FOR OUTDOOR APPLICATION ON ORDER

CENTURY

LEKOLITE



CENTURY LIGHTING INC., 419 WEST 55th STREET, NEW YORK

ACCESSORIES

Item	4 1/2"	6"	8"	All Sizes
C Clamp	\$ 1.50	\$ 1.50		
2 Piece Clamp			\$ 1.50	
Heavy Duty Clamp			5.50	
Heat Resisting Condensing Lens	6.00	10.50	24.00	
Heat Resisting Fresnel Lens		5.50	12.00	
Hand Operated Color Boomerang		18.00	35.00	
Hand Operated Color Wheel	5.00	5.00	11.00	
Motor Driven Color Wheel	50.00	50.00	75.00	
Alzak Ellipsoidal Reflector	10.00	10.00	20.00	
Rhodium Ellipsoidal Reflector	12.00	12.00	24.00	
Gelatine Medium Metal Frame .....	.25	.35	.50	
Glass Medium and Holder	3.00	3.50	6.00	
(See page 89 for shades)				
Iris Shutter	12.00	15.00	22.00	
4 Way Shutter Individually Operated	6.00	12.00	15.00	
Bipost Socket		5.00	5.00	
Prefocus Medium Base Socket	3.00	3.00	3.00	
14" Base with 4 to 7 ft. Telescopic Pipe				\$ 8.50
18" Base with 5 to 8 ft. Telescopic Pipe				11.00
Tripod Base, Rubber Casters, 5 to 8 ft. Telescopic Pipe				30.00
Three Legged Base, Rubber Casters, 5 to 8 ft. Telescopic Pipe				20.00

LAMP DATA

Wattage	Shape	Filament	Average Rated Life	Base	List Price
100	T10	C13	200	Medium Prefocus	\$ 3.75
250	T12	C13	200	Medium Prefocus	4.75
500	T12	C13D	200	Medium Prefocus	6.50
500	T12	C13D	800	Medium Prefocus	7.75
1000	T24	C13D	200	Mogul Bipost	11.50
1500	T24	C13D	200	Mogul Bipost	13.75
2000	T30	C13D	200	Mogul Bipost	15.25

Burn Base Up. 110, 115 or 120 volts

THE FRESNELITE

As long ago as the beginning of the nineteenth century, a French physicist named Fresnel (Fruh-nel) developed a step lens, ordinarily associated with light-house beacons. It accomplished projection of the light, emitted by the feeble sources of that day, with such efficiency as to serve a great purpose. Now, that same principle has been applied to produce a better spotlight — the FRESNELITE. There are present in this unit at least three features which were lacking in previous attempts — soft edge to the beam at all times, wide variability of spread, and greater efficiency.

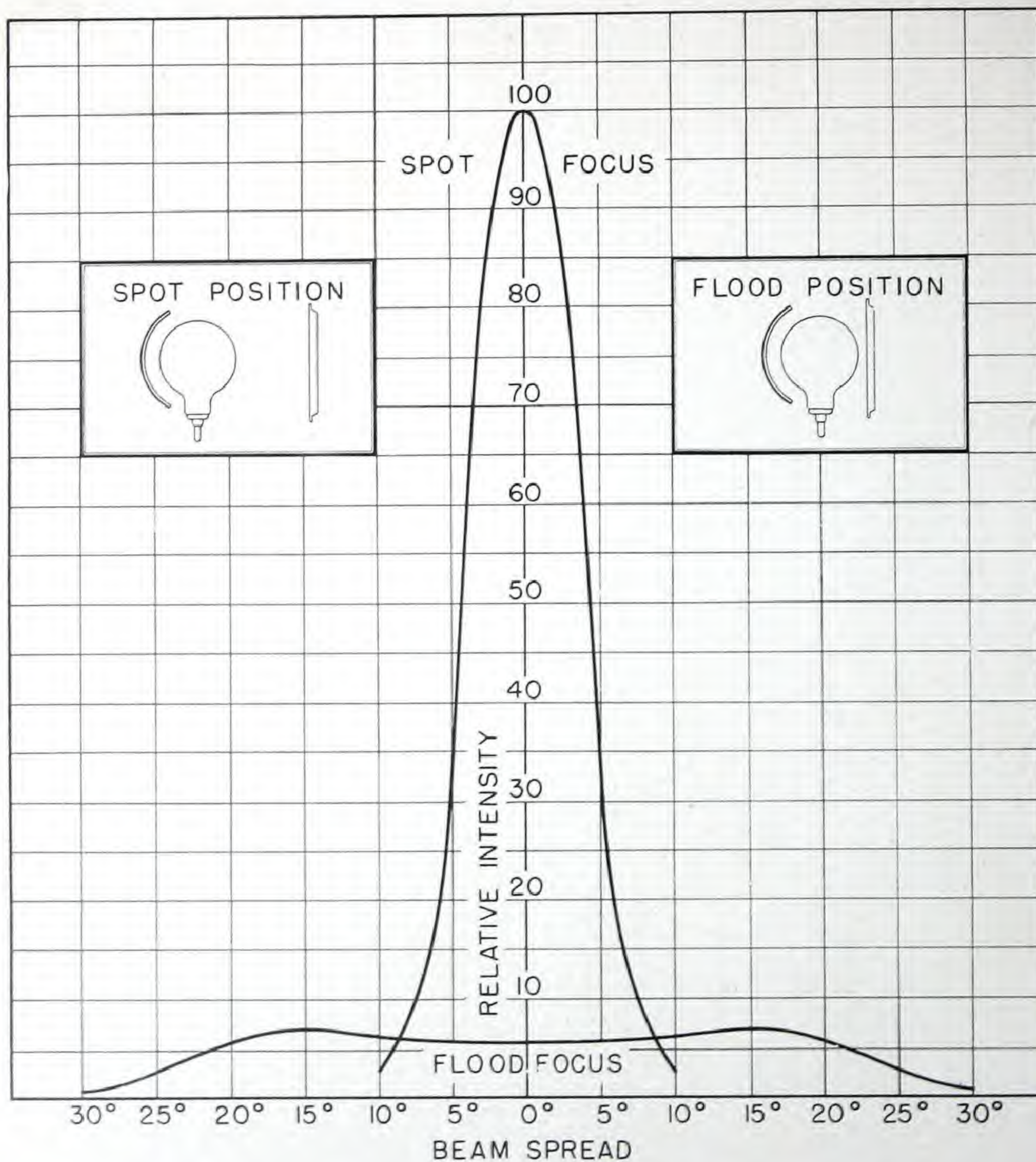
FRESNELITES



FRESNELITES

ARE

FLEXIBLE



CHARACTERISTIC PERFORMANCES

FRESNELITES

6" LENS

250
400
500 } WATTS

HEAT RESISTING SPOT AND FLOOD LENS

Cat. No. 505

Furnished with yoke. C clamp to grip up to 2" pipe. Hinged front door for color filter. Ventilated top door for lamp access. 3 $\frac{3}{4}$ " spherical reflector. Medium pre-focus base. Rapid acting screw feed for focus. 2 ft. wire lead. Black crystal finish.

List Price\$40.00



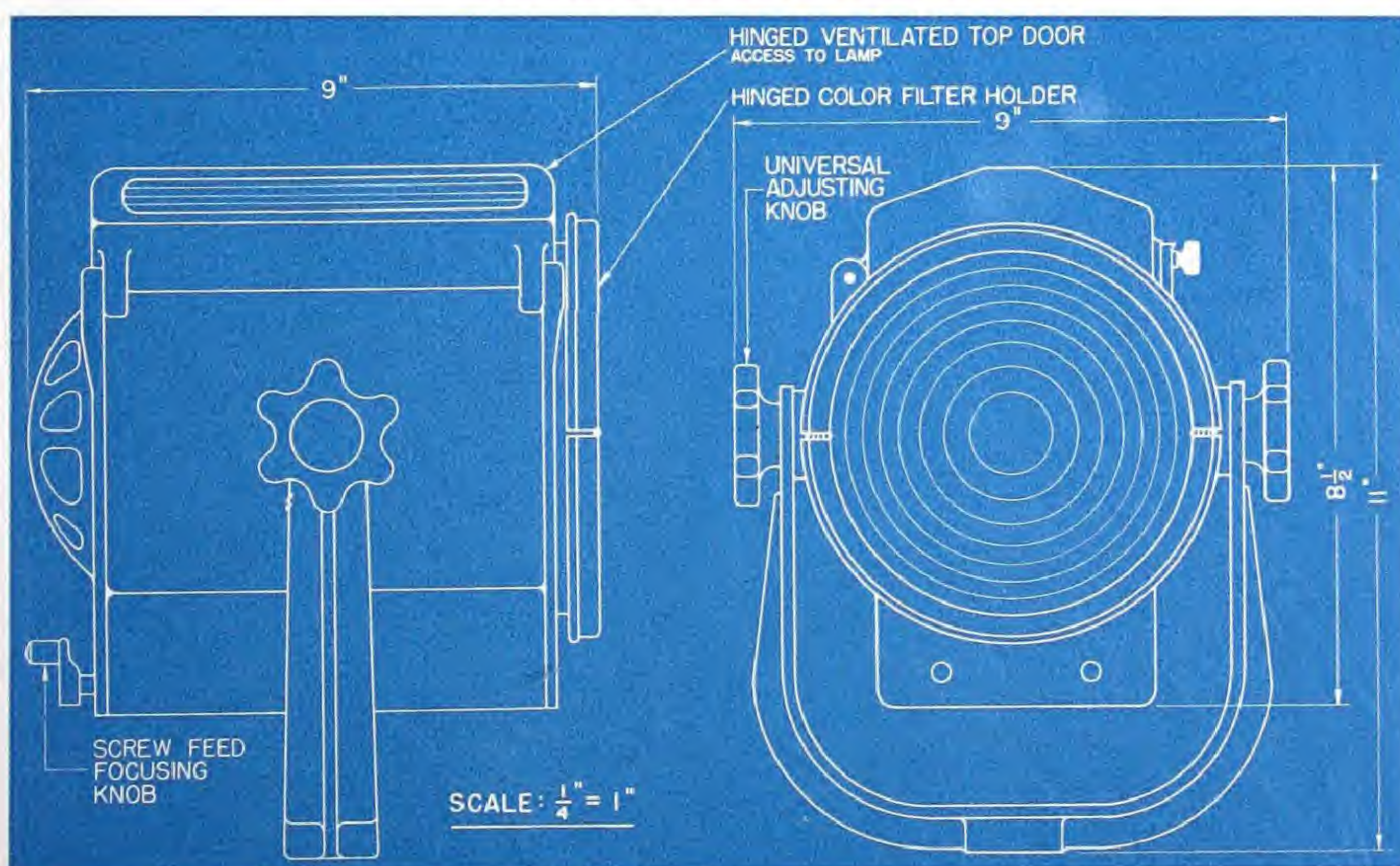
Instrument designed for any of listed prefocus base lamps:

250 watt T20, C13 filament.....	\$3.50
400 watt G30, C13D filament.....	3.15
500 watt T20, C13 filament.....	4.00
500 watt T20, C13D filament.....	6.50

Burn Base Down. Average rated life 200 hours.

ACCESSORIES: SEE PAGE 32

DIMENSIONAL DATA



FRESNELITES

8" LENS 1000 } WATTS
1500

HEAT RESISTING SPOT AND FLOOD LENS

Cat. No. 501

Furnished with yoke and rear handle for rapid tightening. C clamp to grip up to 2" pipe. Hinged front door for color filter. Ventilated top door for lamp access. 5 1/4" spherical reflector. Mogul prefocus base. Rapid acting screw feed for focus. 2 ft. wire lead. Black crystal finish.

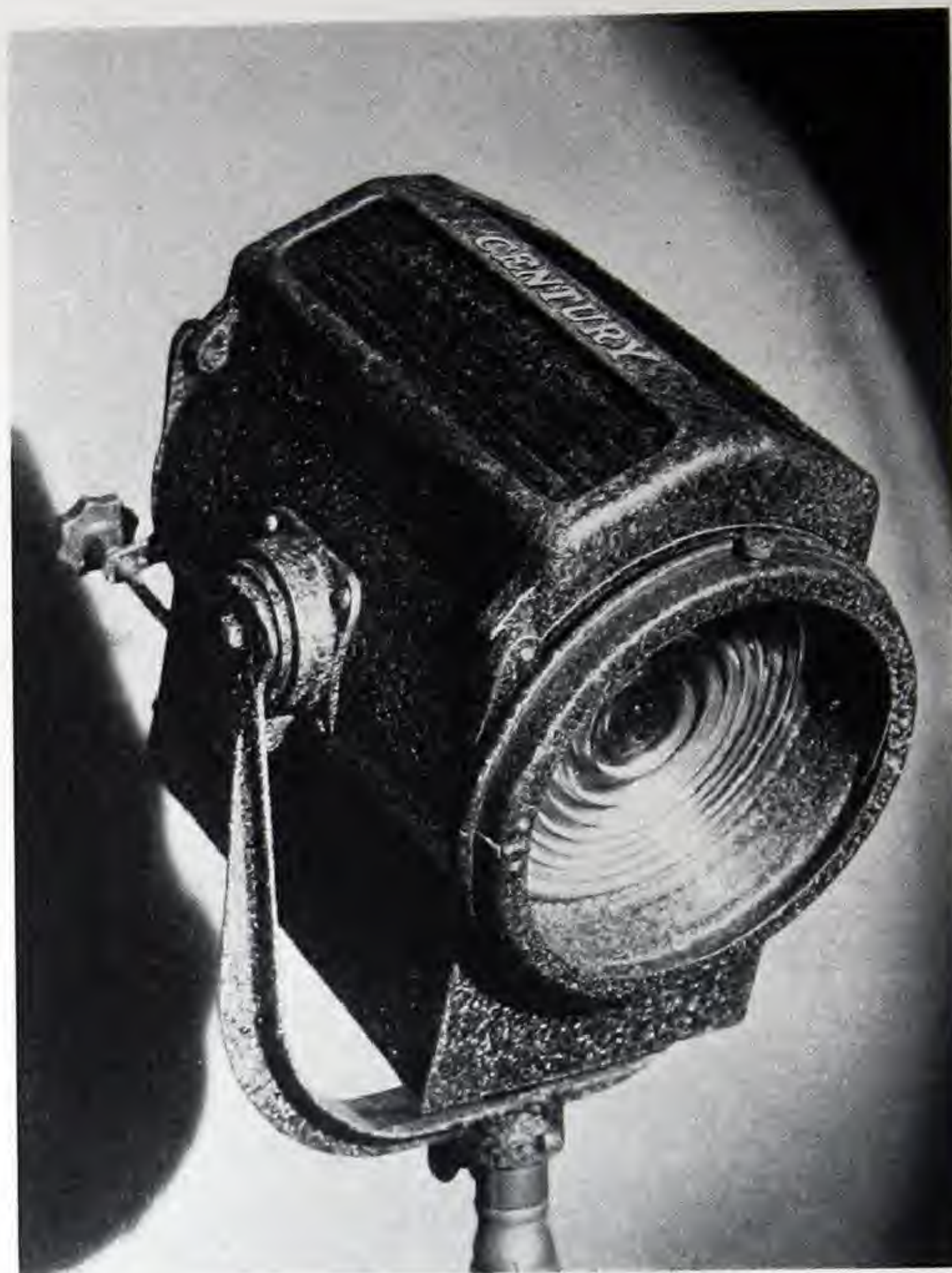
List Price \$60.00

Instrument designed for either of listed prefocus base lamps:

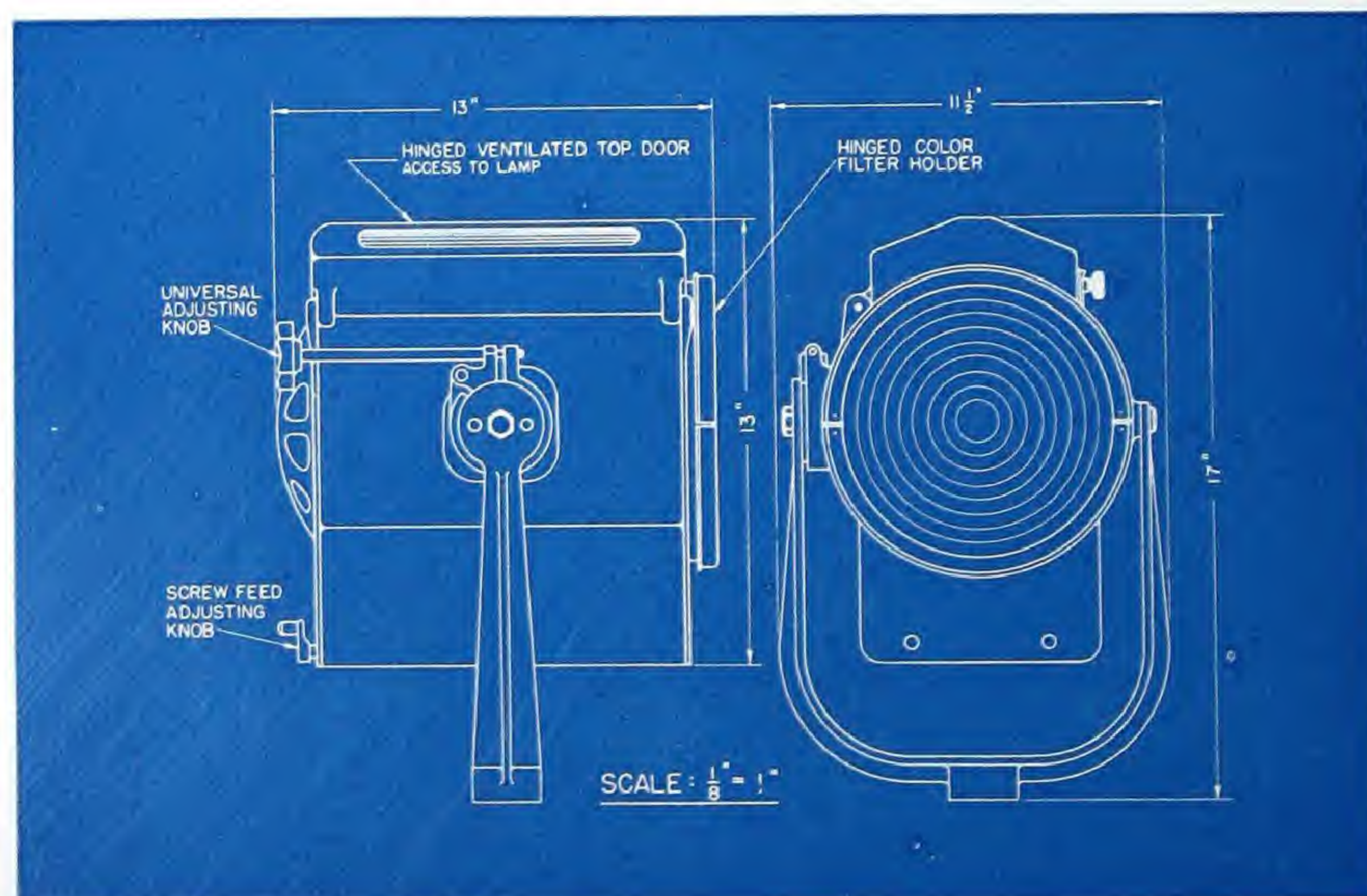
1000 watt G40, C13D filament	\$ 9.50
1500 watt G40, C13D filament	12.75

Burn Base Down. Average rated life 200 hours.

ACCESSORIES: SEE PAGE 32



DIMENSIONAL DATA



FRESNELITES

10" LENS

2000 WATTS

HEAT RESISTING SPOT AND FLOOD LENS

Cat. No. 502

Furnished with yoke and rear handle for rapid tightening. C clamp to grip up to 2" pipe. Hinged front door for color filter. Ventilated top door for lamp access. 5 $\frac{7}{8}$ " spherical reflector. Bipost base. Rapid acting screw feed for focus. Conveniently located toggle switch. Rear follow handle. 2 ft. wire lead. Black crystal finish.

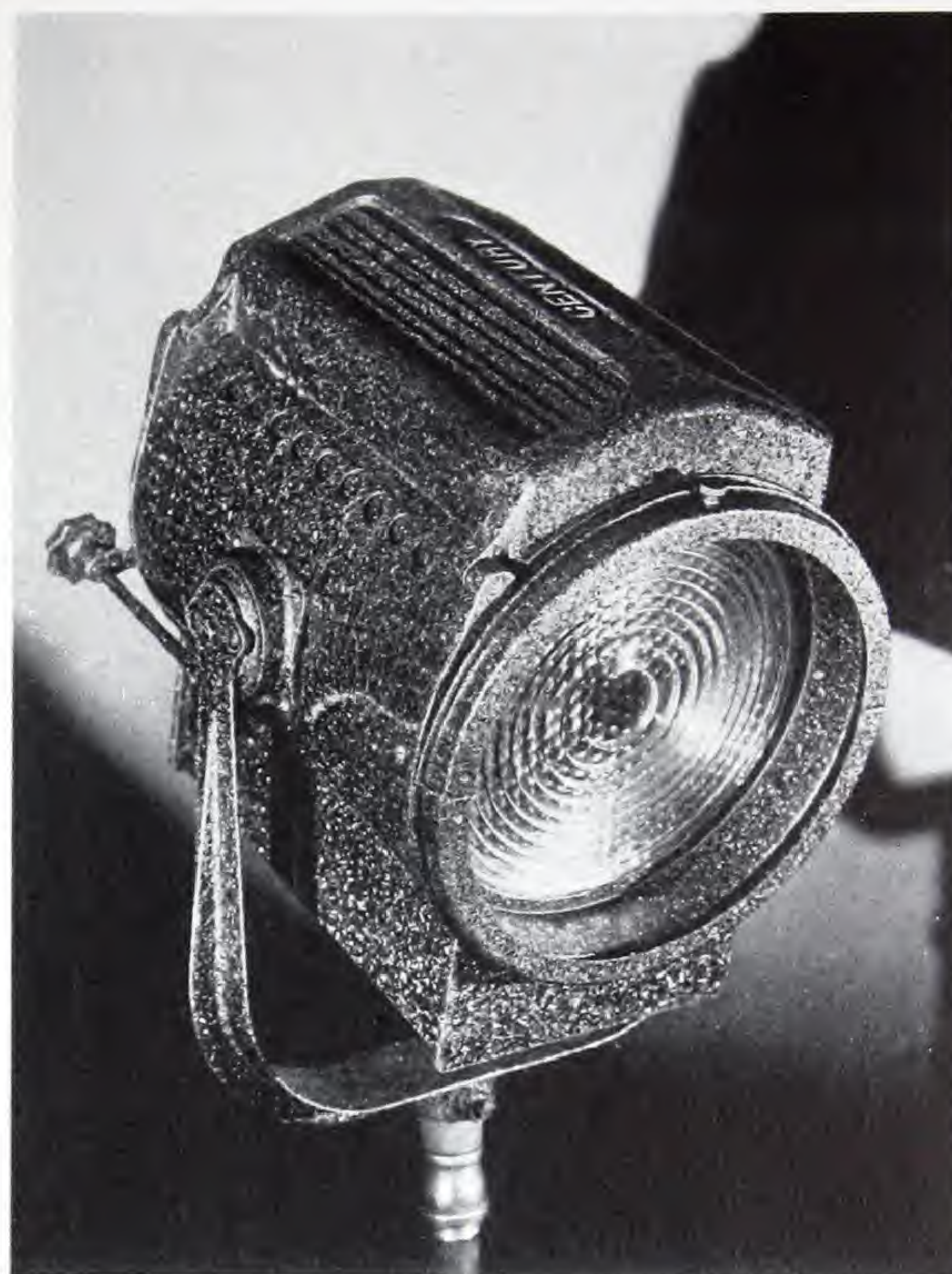
List Price\$85.00

Instrument designed for the following bipost base lamp:

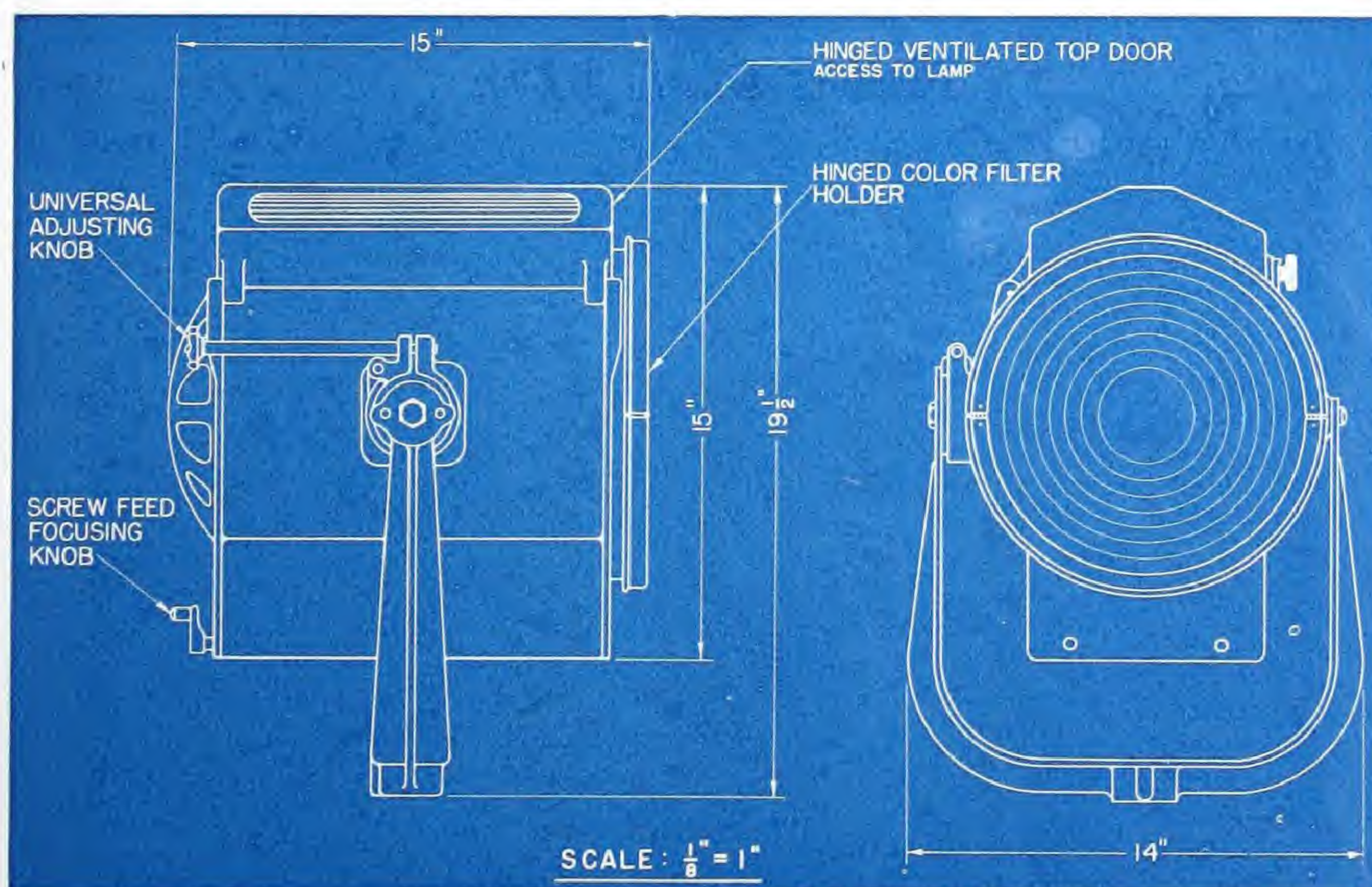
2000 watt G48, C13 filament\$13.00

Burn Base Down. Average rated life 200 hours.

ACCESSORIES: SEE PAGE 32



DIMENSIONAL DATA



FRESNELITES

14" LENS

5000 WATTS

HEAT RESISTING
SPOT AND FLOOD LENS

Cat. No. 503

Furnished with yoke and rear handle for rapid tightening. Two piece heavy duty malleable iron clamp to grip up to 2" pipe. Hinged front door for color filter. Ventilated top door for lamp access. 8" spherical reflector. Bipost base. Rapid acting screw feed for focus. Conveniently located toggle switch. Rear follow handle. 2 ft. wire lead. Black crystal finish.

List Price\$135.00

Instrument designed for any of listed bipost base lamps:

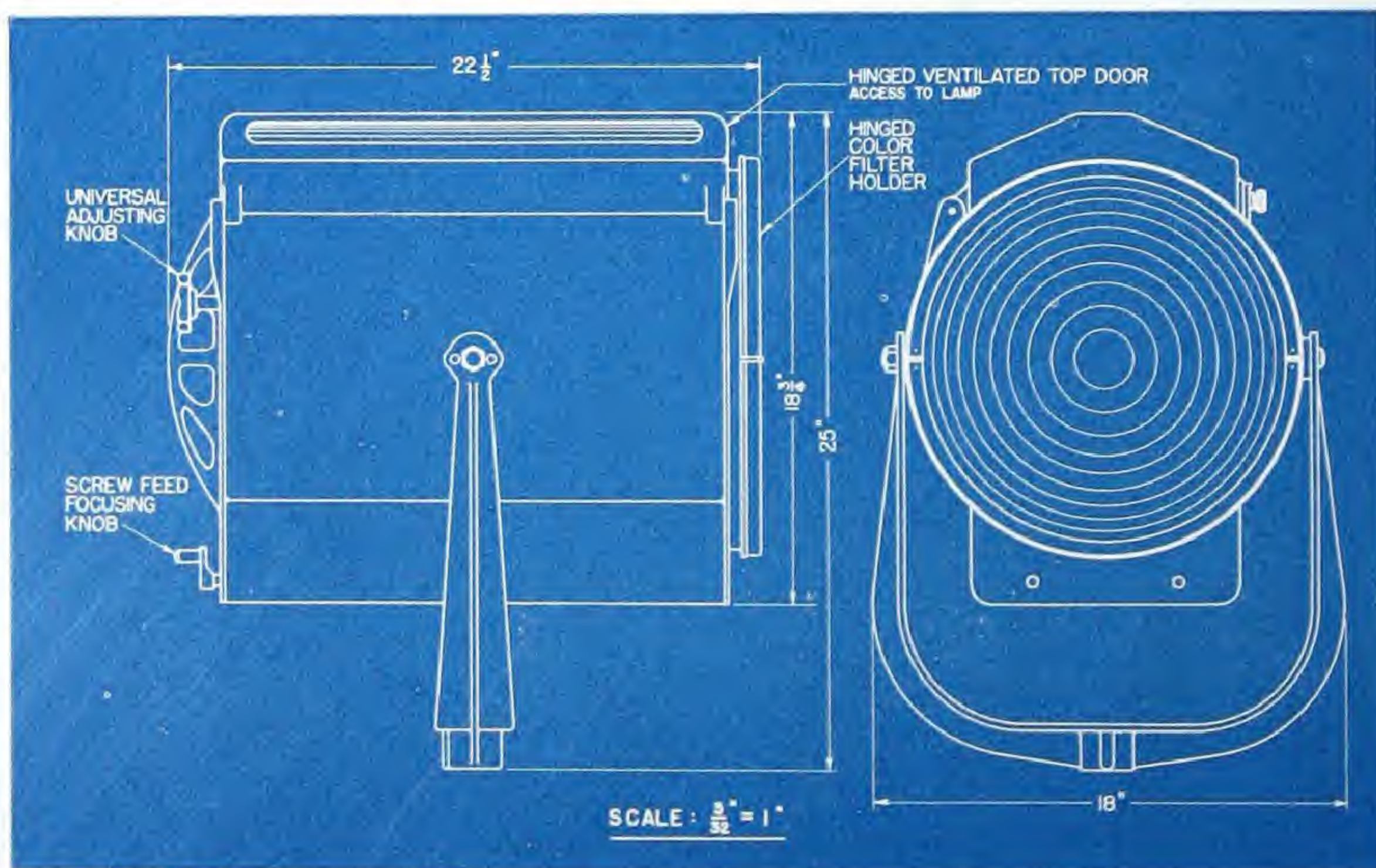
5000 watt G64, C13 filament.	Average rated life 100 hours	\$35.00
5000 watt G64, C13D filament.	Average rated life 50 hours	60.00
5000 watt G64, C13D filament.	Average rated life 100 hours	60.00
5000 watt G64, C13D filament.	Average rated life 500 hours	60.00

Burn Base Down

ACCESSORIES: SEE PAGE 32



DIMENSIONAL DATA



FRESNELITES

20" LENS

10,000 WATTS

HEAT RESISTING
SPOT AND FLOOD LENS

Cat. No. 504

Furnished with yoke and rear handle for rapid tightening. Tripod pedestal with rubber casters. 5 to 8 ft. Telescopic pipe. Conveniently located knife switch in metal enclosure. Rear follow handle. 25 ft. No. 4—2 conductor rubber covered cable. Hinged front door for color filter. Ventilated top door for lamp access. 15" spherical reflector. Bipost base. Rapid acting screw feed for focus. Black crystal finish.

List Price \$250.00

Instrument designed for the following
bipost base lamp:

10,000 watt G96, C13 filament \$100.00

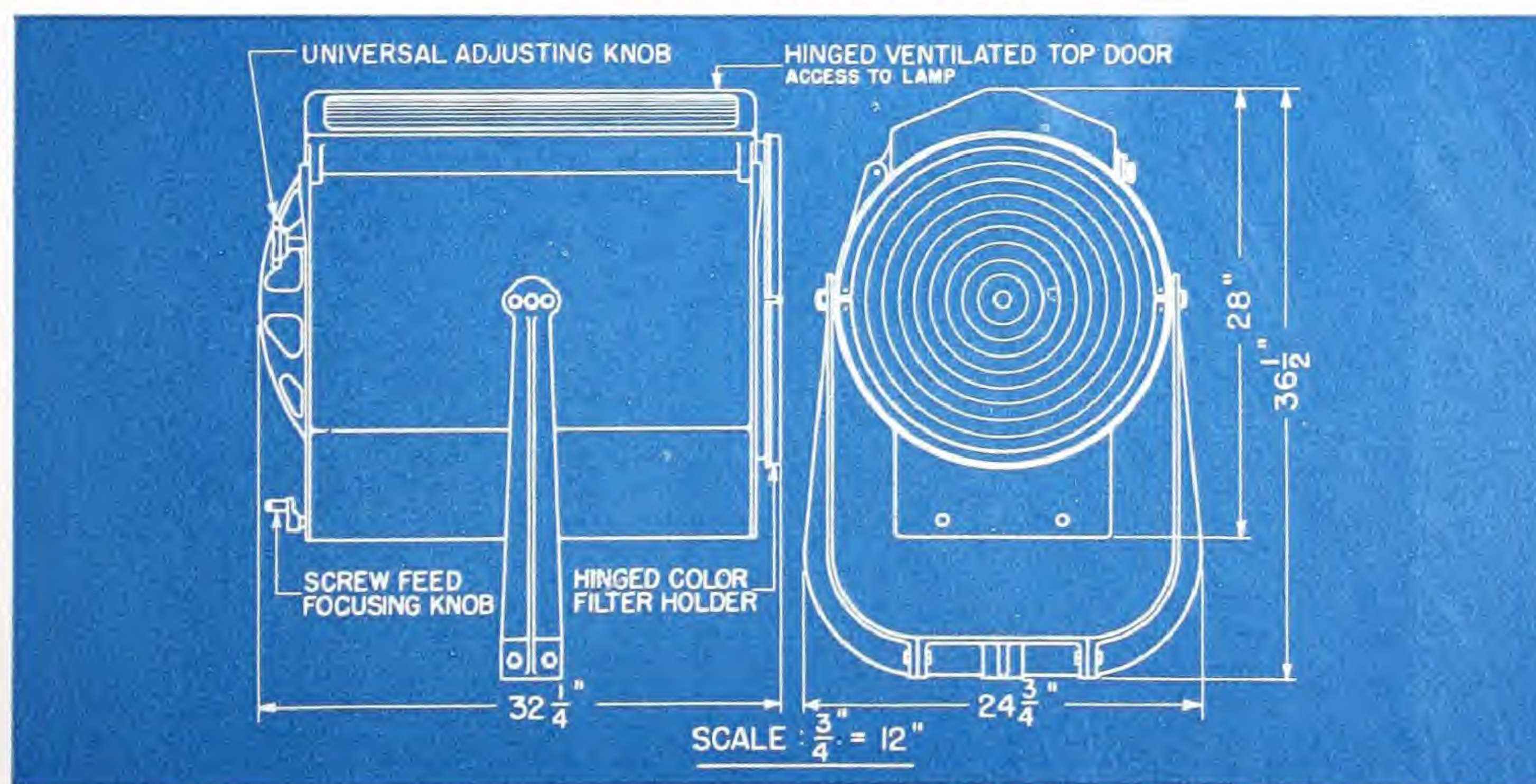
Burn Base Down.

Average rated life 100 hours.

ACCESSORIES: SEE PAGE 32



DIMENSIONAL DATA





FRESNELITE ACCESSORIES

Cat. No.	505	501	502	503	504
Lens Size	6"	8"	10"	14"	20"
Heat Resisting Fresnel Lens	\$7.50	\$10.00	\$15.00	\$25.00	\$60.00
Spherical Reflector	5.00	7.50	15.00	18.00	36.00
Round Metal Frame for Gelatine .....	.50	1.00	2.00	3.00	4.50
Round Metal Frame with Colored Glass (Colors on page 89)	3.50	6.00	15.00	.....	.....
Color Wheel — 5 openings. Hand Operated	5.00	11.00	.....	.....	.....
Motor Driven	50.00	75.00	.....	.....	.....
18" Base with 5' to 8' telescopic pipe .....	.....	.....	11.00	11.00	11.00
14" Base with 4' to 7' telescopic pipe	8.50	8.50	.....	.....	.....
Tripod Base, rubber casters, with 5' to 8' telescopic pipe .....	.....	.....	.....	30.00	30.00
3 Legged 24" Base, rubber casters, with 5' to 8' telescopic pipe .....	.....	.....	20.00	20.00	20.00
3 Legged 16" Base, rubber casters, 4' to 7' telescopic pipe	12.50	12.50	.....	.....	.....
9" Base only	2.50	2.50	.....	.....	.....
4 Way Rectangular Shutter, Swivel Type for Oblique Shaping	3.00	4.00	6.00	8.50	12.00
Funnel (high hat)	3.00	3.50	5.00	7.50	10.00
Dimmers — Slider Type					
250 watt	20.00	.....	.....	.....	.....
400 watt	20.00	.....	.....	.....	.....
500 watt	20.00	.....	.....	.....	.....
1000 watt .....	.....	25.00	.....	.....	.....
1500 watt .....	.....	33.00	.....	.....	.....
2000 watt .....	.....	.....	33.00	.....	.....
Dimmers — Rectangular Type					
5000 watt .....	.....	.....	.....	66.00	.....
10000 watt .....	.....	.....	.....	.....	146.00
Clamps					
C clamp	1.50	1.50	1.50	.....	.....
2 piece	1.50	1.50	1.50	.....	.....
Heavy duty .....	.....	.....	.....	5.50	5.50

P R O J E C T - O - L I T E

How often in modern interiors and galleries are works of art left to chance illumination, which sets nothing apart? With the Project-O-lite, a picture, a piece of sculpture, or objet d'art is made to be seen. The Project-O-lite is an instrument designed to throw a precise beam from a concealed source, even in a properly selected color, on the important object in the line of vision. Only in this way can fine paintings, sculpture, and other masterpieces be revealed in their deserved importance.

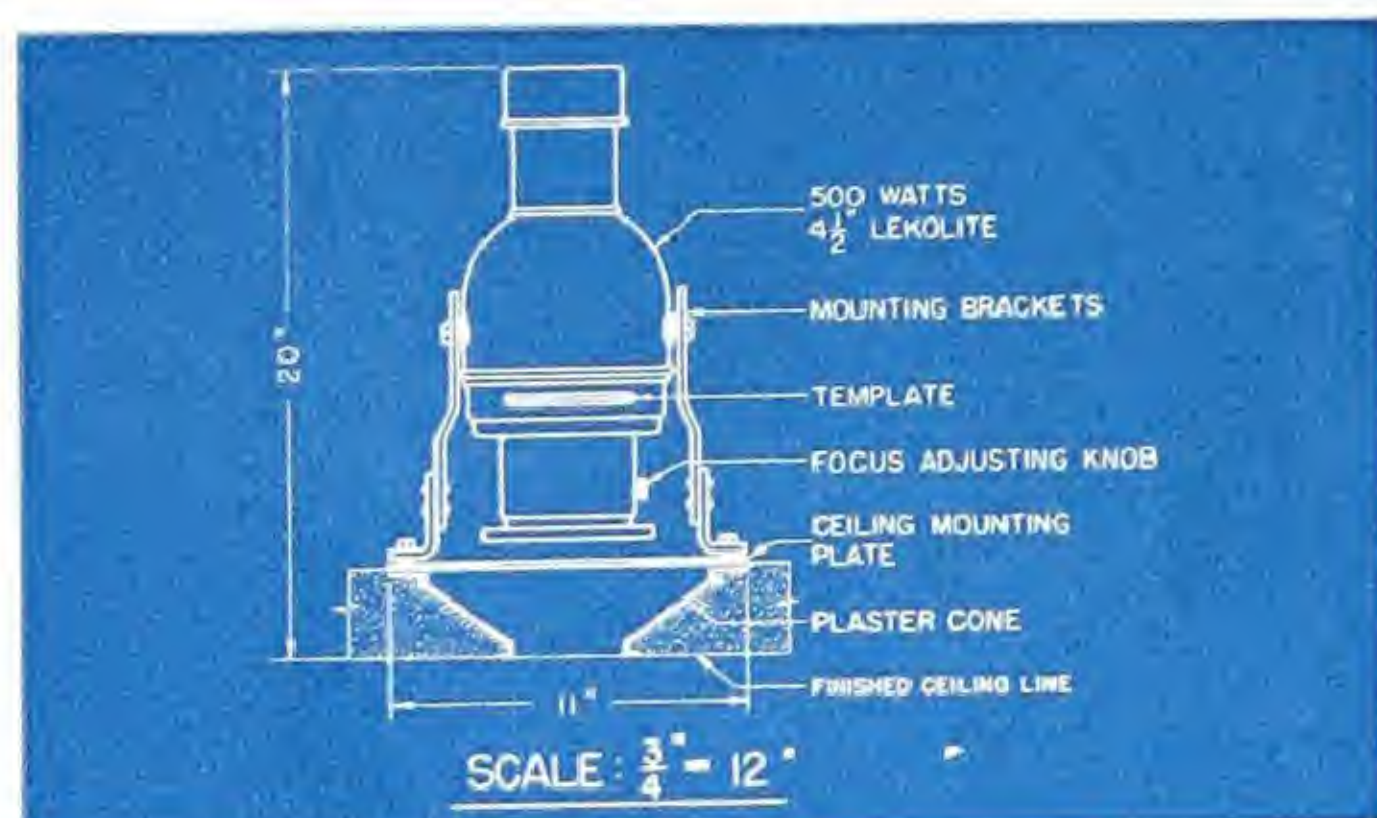
PROJECT-O-LITES

90° ANGLE OF PROJECTION

PRECISION BEAM CONTROL

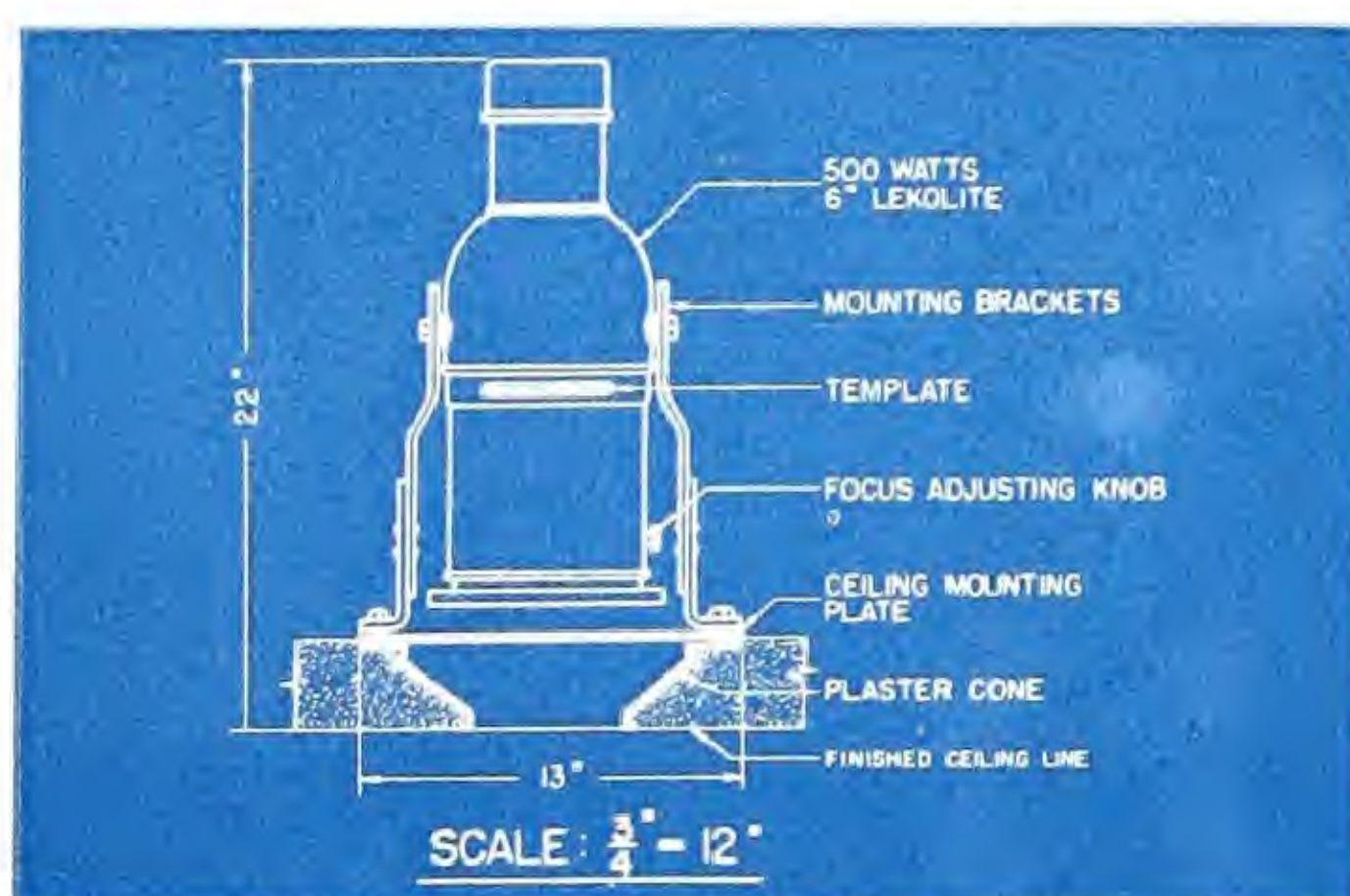
FLUSH TYPE — TOP ACCESS TO LAMP

The angle of projection is defined to mean: The angle the beam center makes with the horizontal.



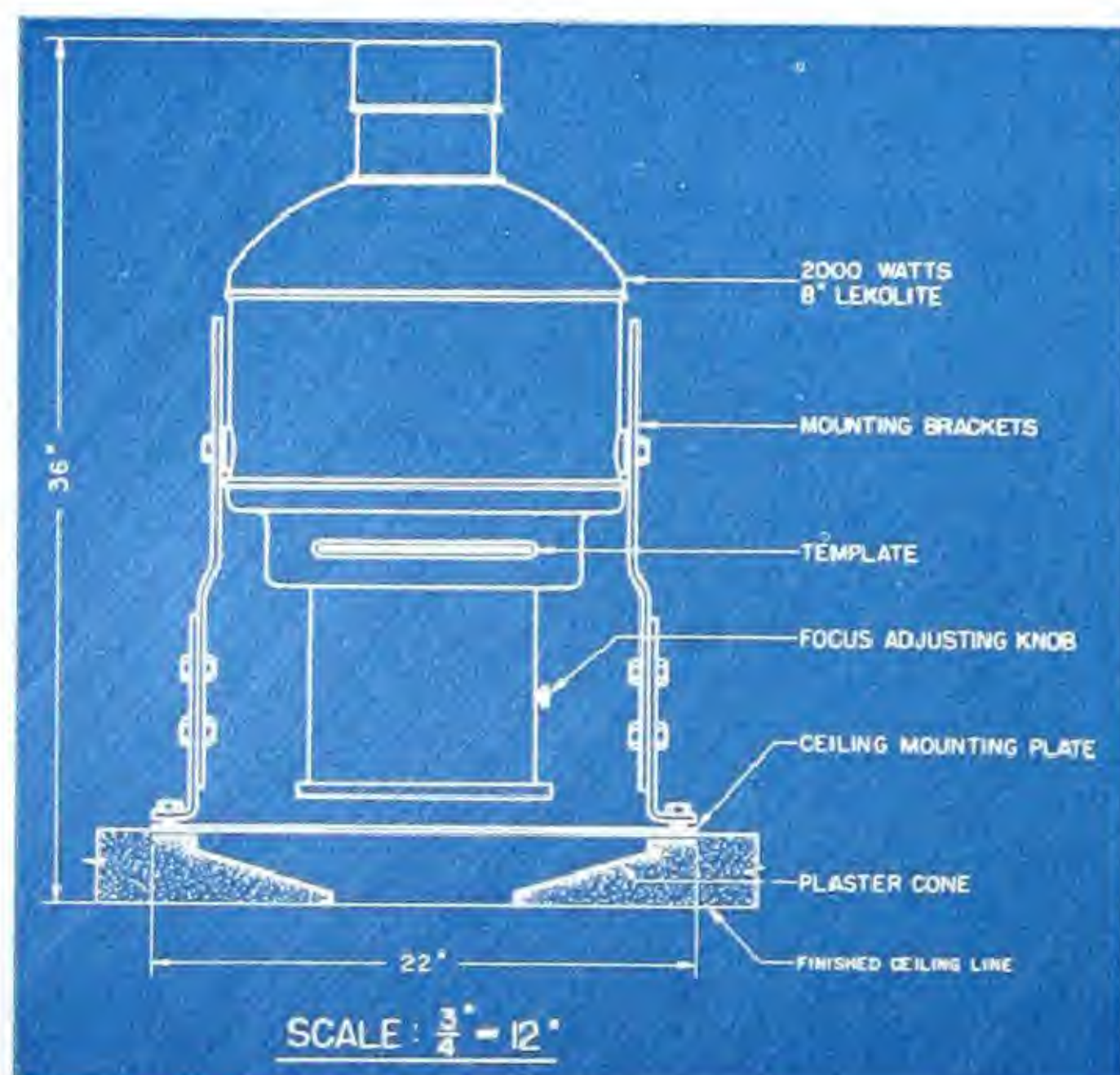
Cat No. 1645

- 500 watt 4 1/2" Project-O-lite
- Lens System:** 4 1/2" x 6 1/2" heat resisting condensing lenses.
- Characteristics:** Sharp definition of beam. Wide angle spread. Maximum is 1 ft. spread at 1 ft. distance.
- Reflector:** Alzak processed ellipsoidal shape.
- Control Devices:** Circular and rectangular templates for shaping of beam. Bracket for height and direction control. Slide barrel for focus control. Grooved front for color filter.
- List Price:**
- | | |
|---------------------------------------|---------|
| Glass filter and holder | \$44.00 |
| 250 watt T12, C13 filament lamp | 3.00 |
| 500 watt T12, C13D filament lamp | 4.75 |
| Medium Prefocus Base. Burn Base Up. | 6.50 |
| Average rated life of lamp 200 hours. | |



Cat No. 1646

- 500 watt 6" Project-O-lite
- Lens System:** 6" x 9" heat resisting condensing lenses.
- Characteristics:** Sharp definition of beam. Medium angle spread. Maximum is .65 ft. spread at 1 ft. distance.
- Reflector:** Alzak processed ellipsoidal shape.
- Control Devices:** Circular and rectangular templates for shaping of beam. Bracket for height and direction control. Slide barrel for focus control. Grooved front for color filter.
- List Price:**
- | | |
|---------------------------------------|---------|
| Glass filter and holder | \$48.00 |
| 250 watt T12, C13 filament lamp | 3.50 |
| 500 watt T12, C13D filament lamp | 4.75 |
| Medium Prefocus Base. Burn Base Up. | 6.50 |
| Average rated life of lamp 200 hours. | |



Cat No. 1647

- 1000-2000 watt 8" Project-O-lite
- Lens System:** 8" x 10" heat resisting condensing lens.
- Characteristics:** Sharp definition of beam. Narrow angle spread. Maximum is .33 ft. spread at 1 ft. distance. (If greater spread required, special optical system can be arranged).
- Reflector:** Alzak processed ellipsoidal shape.
- Control Devices:** Circular and rectangular templates for shaping of beam. Bracket for height and direction control. Slide barrel for focus control. Grooved front for color filter.
- List Price:**
- | | |
|---------------------------------------|---------|
| Glass filter and holder | \$88.00 |
| 1000 watt T24, C13D filament lamp | 6.00 |
| 1500 watt T24, C13D filament lamp | 11.50 |
| 2000 watt T30, C13D filament lamp | 13.75 |
| Mogul Bipost Base. Burn Base Up. | 15.50 |
| Average rated life of lamp 200 hours. | |

RHODIUM REFLECTORS: ADD 10% TO LIST PRICE

PROJECT-O-LITES

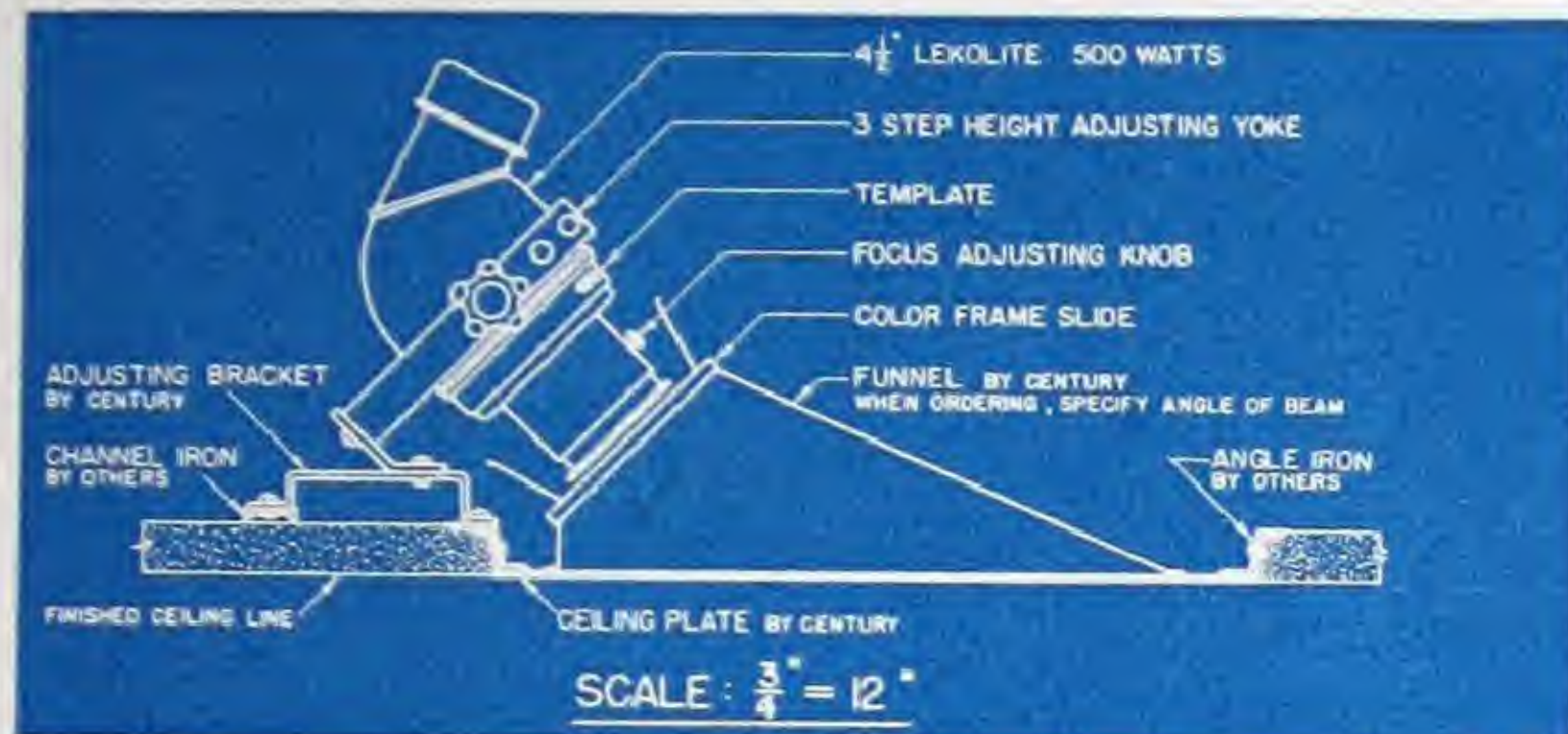
30° TO 60° ANGLE OF PROJECTION

PRECISION BEAM CONTROL

FLUSH TYPE — TOP ACCESS TO LAMP

The angle of projection is defined to mean: The angle the beam center makes with the horizontal.

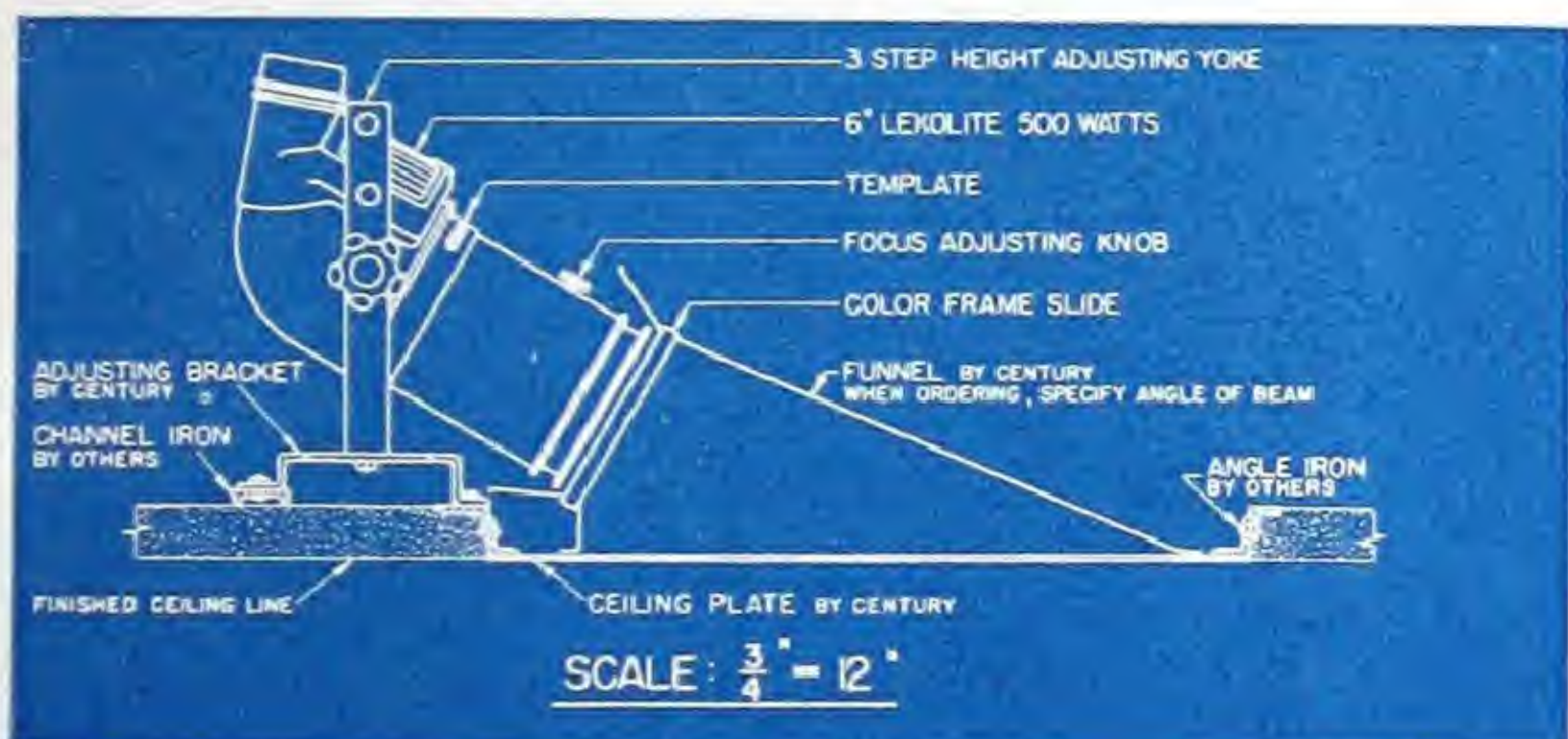
Cat. No. 1648



500 watt 4 1/2" Project-O-lite
Lens System: 4 1/2" x 6 1/2" heat resisting condensing lenses.
Characteristics: Sharp definition of beam. Wide angle spread. Maximum is 1 ft. spread at 1 ft. distance.
Reflector: Alzak processed ellipsoidal shape.
Control Devices: Circular and rectangular templates for shaping of beam. Bracket for height and direction control. Slide barrel for focus control. Grooved front for color filter.

List Price: \$52.00
 Glass filter and holder 3.50
 250 watt T12, C13 filament lamp 4.75
 500 watt T12, C13D filament lamp 6.50
 Medium Prefocus Base. Burn Base Up.
 Average rated life of lamp 200 hours.

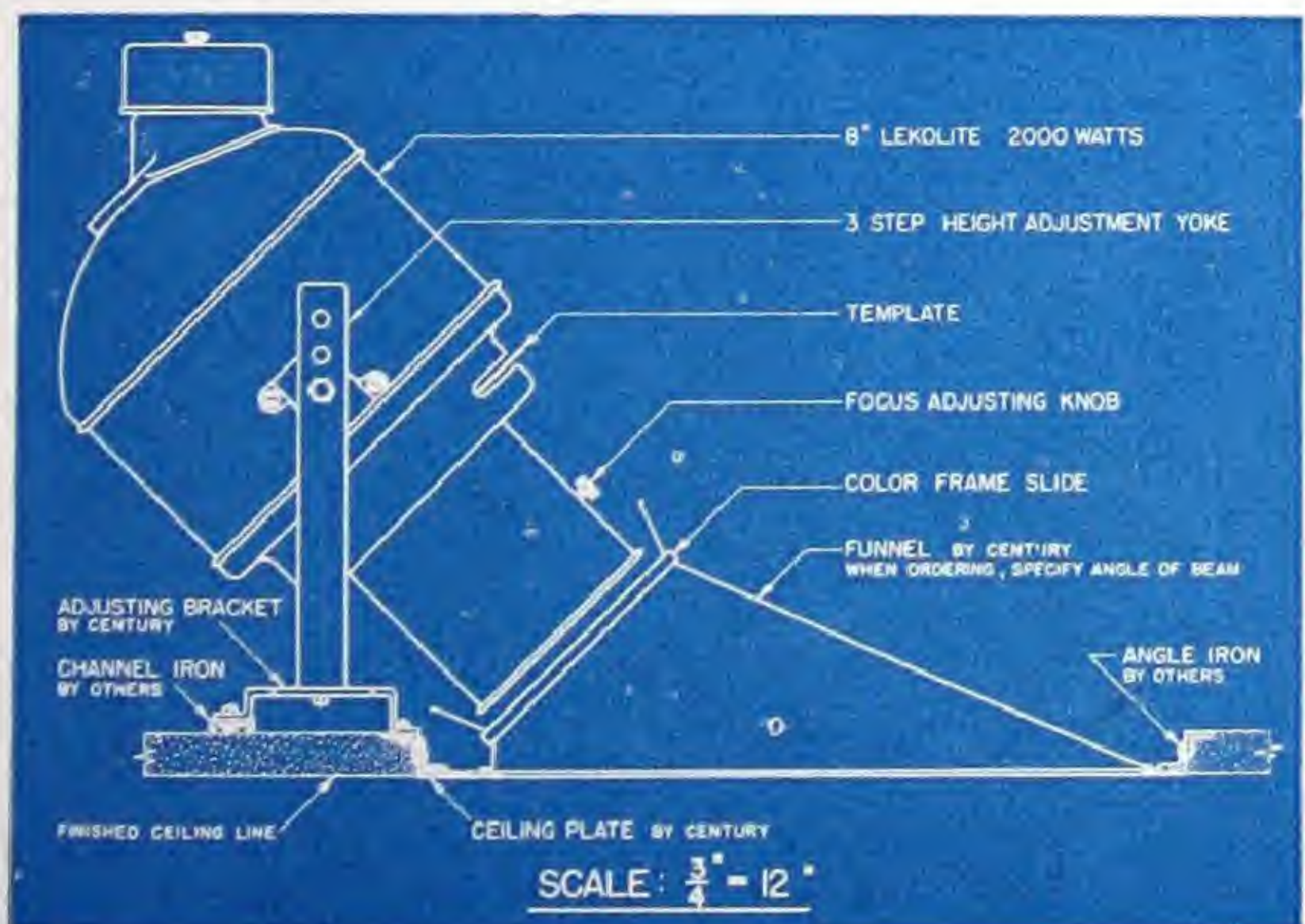
Cat. No. 1649



500 watt 6" Project-O-lite
Lens System: 6" x 9" heat resisting condensing lenses.
Characteristics: Sharp definition of beam. Medium angle spread. Maximum is .65 ft. spread at 1 ft. distance.
Reflector: Alzak processed ellipsoidal shape.
Control Devices: Circular and rectangular templates for shaping of beam. Bracket for height and direction control. Slide barrel for focus control. Grooved front for color filter.

List Price: \$56.00
 Glass filter and holder 3.50
 250 watt T12, C13 filament lamp 4.75
 500 watt T12, C13D filament lamp 6.50
 Medium Prefocus Base. Burn Base Up.
 Average rated life of lamp 200 hours.

Cat. No. 1650



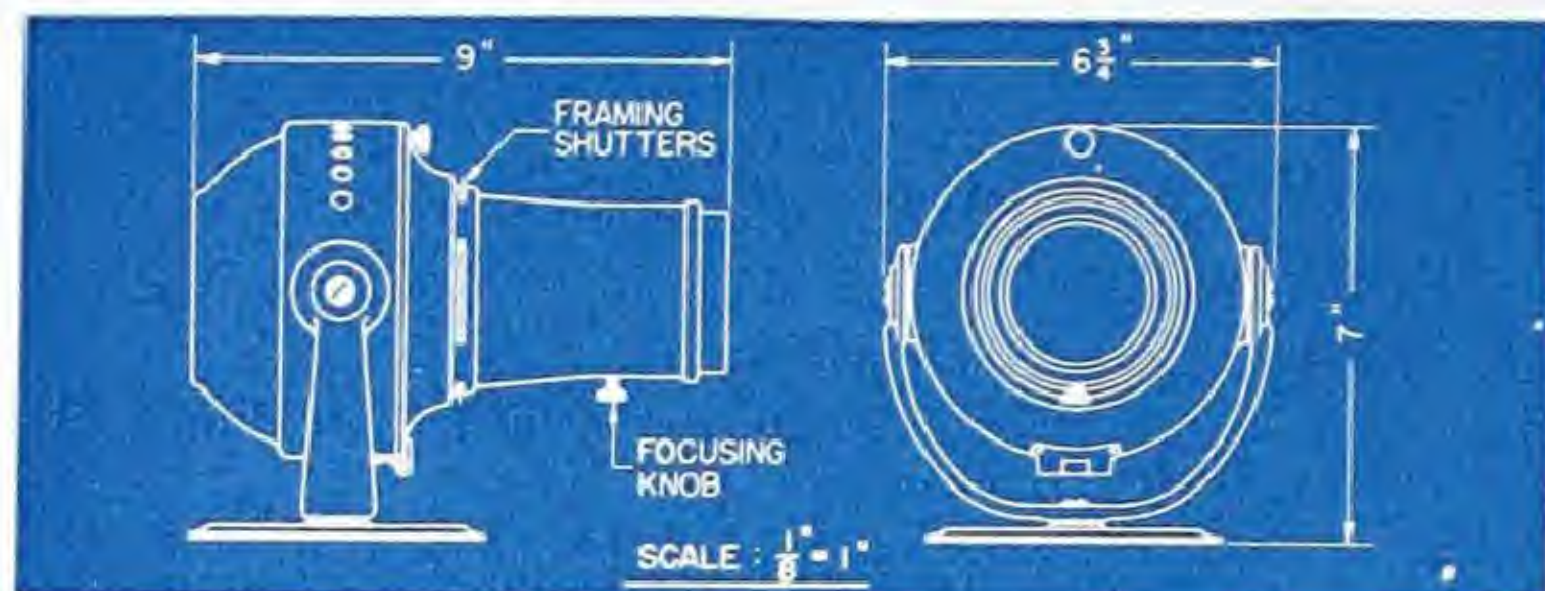
1000-2000 watt 8" Project-O-lite
Lens System: 8" x 10" heat resisting condensing lens.
Characteristics: Sharp definition of beam. Narrow angle spread. Maximum is .33 ft. spread at 1 ft. distance. (If greater spread required, special optical system can be arranged).
Reflector: Alzak processed ellipsoidal shape.
Control Devices: Circular and rectangular templates for shaping of beam. Bracket for height and direction control. Slide barrel for focus control. Grooved front for color filter.

List Price: \$96.00
 Glass filter and holder 6.00
 1000 watt T24, C13D filament lamp 11.50
 1500 watt T24, C13D filament lamp 13.75
 2000 watt T30, C13D filament lamp 15.50
 Mogul Bipost Base. Burn Base Up.
 Average rated life of lamp 200 hours.

RHODIUM REFLECTORS: ADD 10% TO LIST PRICE

PROJECT-O-LITES

SURFACE TYPE



Cat. No. 2932

75-100 watt Project-O-lite

Construction: Aluminum hood with black crystal finish.

Lens System: 2 1/4" x 2 3/4" lenses.

Characteristics: Sharp definition of beam. Maximum spread is .5 ft. at 1 ft.

Reflector: Alzak processed ellipsoidal.

Control Devices: Built-in 4 way shutters for beam shaping.

Hinged front door for lamp access.

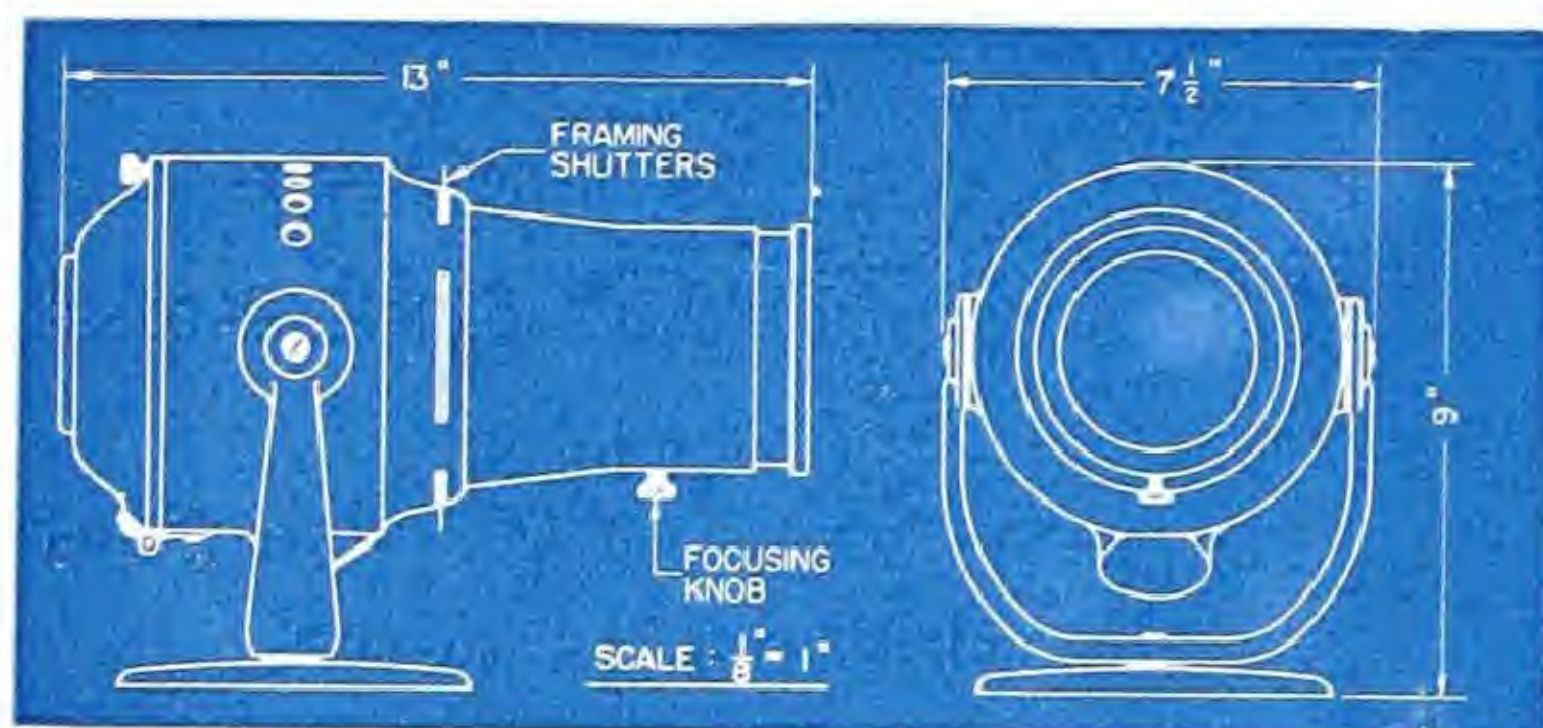
Lens barrel for definition and spread of focus. Yoke for direction control.



List Price

75 watt G16 1/2, C5 filament lamp
100 watt T8, CC13 filament lamp
Single Contact Bayonet Base. Burn Base Down.

\$22.00
1.45
1.20



Cat. No. 2935

250-400 watt Project-O-lite

Construction: Aluminum hood with black crystal finish.

Lens System: 3 1/2" x 3 3/4" lenses.

Characteristics: Sharp definition of beam. Maximum spread is .9 ft. at 1 ft.

Reflector: Alzak processed spherical.

Control Devices: Built-in 4 way shutters for beam shaping.

Hinged back door for lamp access.

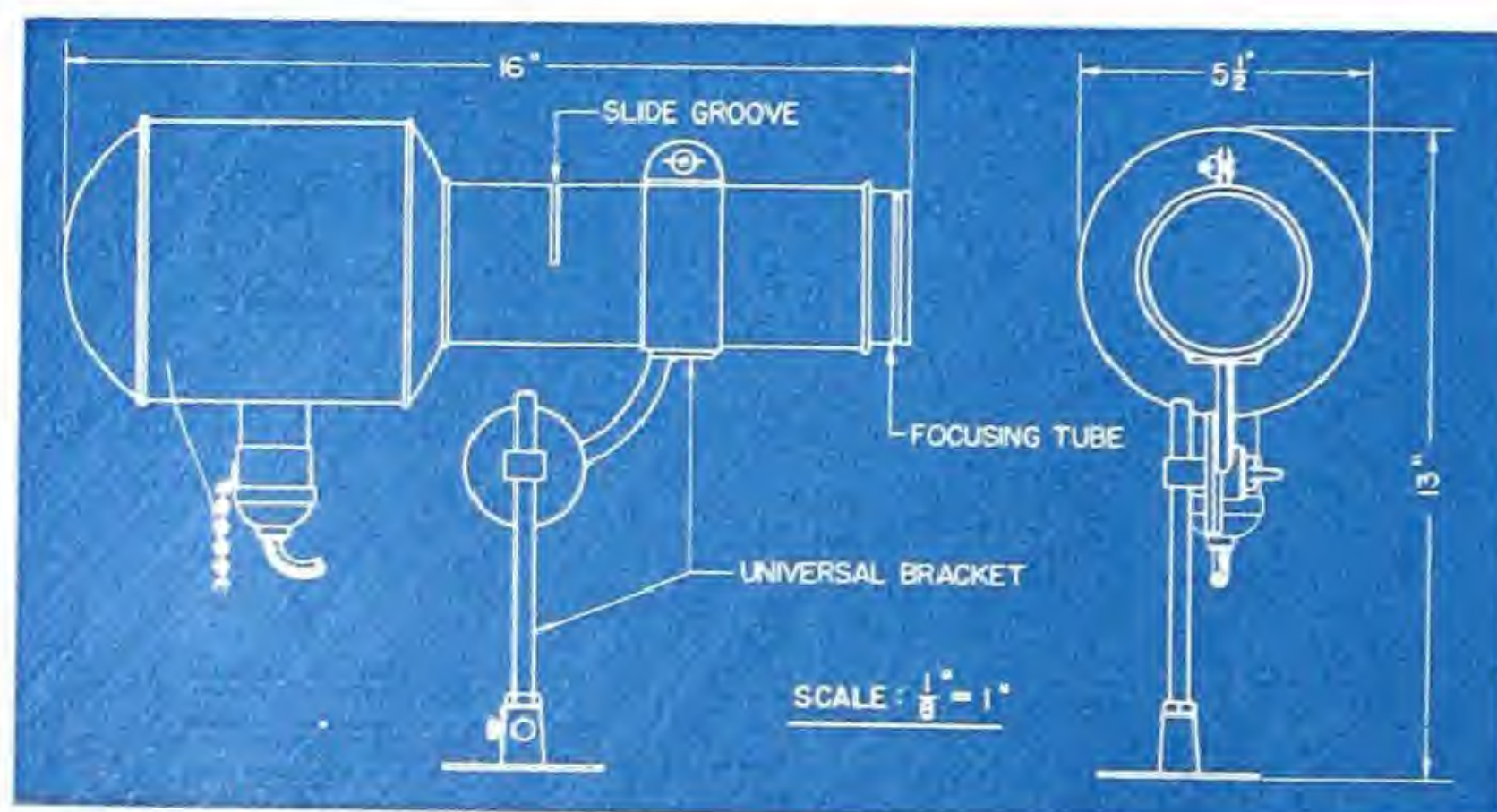
Lens barrel for definition and speed of focus. Yoke for direction control.



List Price

250 watt G30, C5 filament lamp
400 watt G30, C5 filament lamp
Medium Screw Base. Burn Base Down.

\$28.00
1.50
2.65



Cat. No. 2931

250-400 watt Sidewalk Project-O-lite

Construction: Metal hood with black enamel finish.

To project reading matter or design in clear or colored light on sidewalk or screen. Can be arranged to flash on and off. Grooved to receive metal stenciled slide.



List Price

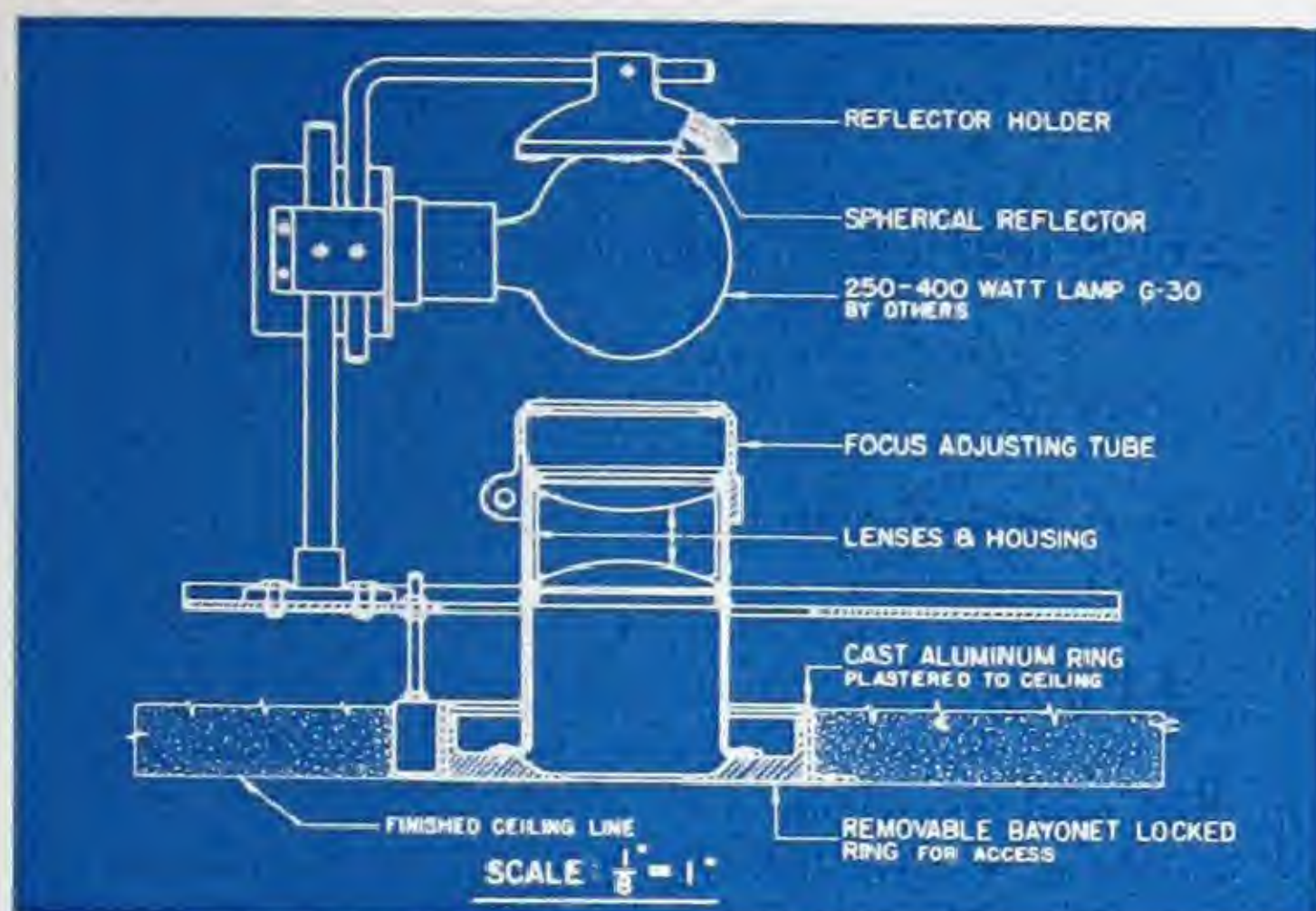
Stencil slide, per letter
250 watt G30, C5 filament lamp
400 watt G30, C5 filament lamp
Medium Screw Base. Burn Base Down.

\$14.00
.10
1.50
2.65

PROJECT-O-LITES

PRECISION BEAM CONTROL

FLUSH TYPE — TOP LAMP ACCESS



Cat. No. 1651

250-400 watt Project-O-lite. Straight down shoot. 90° Angle of Projection.

Lens System: 3 1/2" x 3" condensing lenses.

Characteristics: Sharp definition of beam. Wide angle spread. Maximum spread is .5 ft. at 1 ft. distance.

Reflector: Alzak or Chromium spherical reflector.

Control Devices: Adjustable rectangular templates for beam shaping and focus.

Brackets for lamp focus and reflector adjustment. Grooved front for color filter.

List Price: \$40.00

Glass filter and holder 2.50

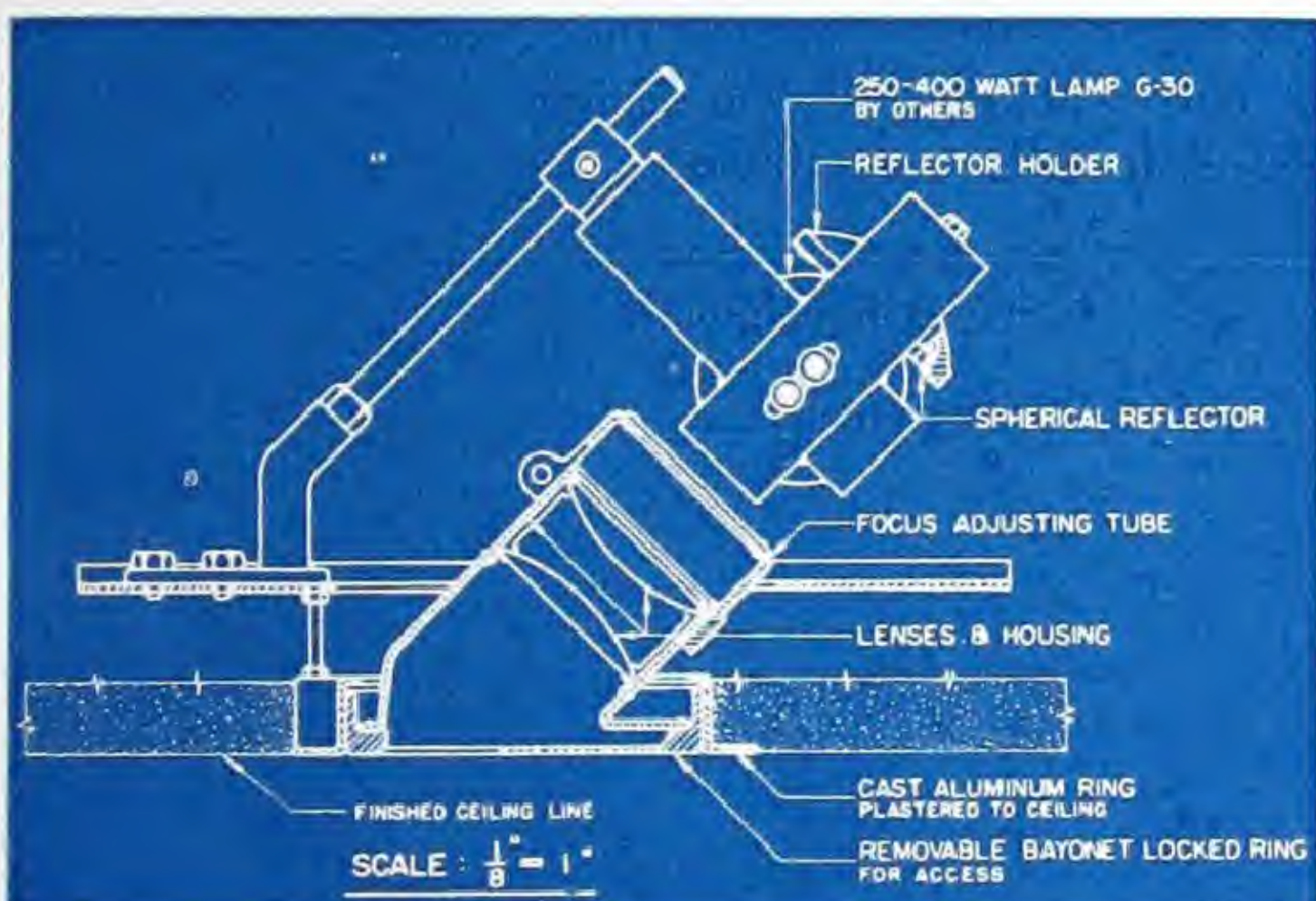
250 watt G30, C5 lamp, 200 hr. life 1.65

250 watt G30, C5 lamp, 800 hr. life 1.75

400 watt G30, C5 lamp, 200 hr. life 2.80

400 watt G30, C5 lamp, 800 hr. life 3.15

Medium Prefocus Base. Burn Base Down.



Cat. No. 1652

250-400 watt Project-O-lite. Angular shoot. 30° to 60° Angle of Projection.

Lens System: 3 1/2" x 3" condensing lenses.

Characteristics: Sharp definition of beam. Wide angle spread. Maximum spread is .5 ft. at 1 ft. distance.

Reflector: Alzak or Chromium spherical reflector.

Control Devices: Adjustable rectangular templates for beam shaping and focus.

Brackets for lamp focus and reflector adjustment. Grooved front for color filter.

List Price: \$40.00

Glass filter and holder 2.50

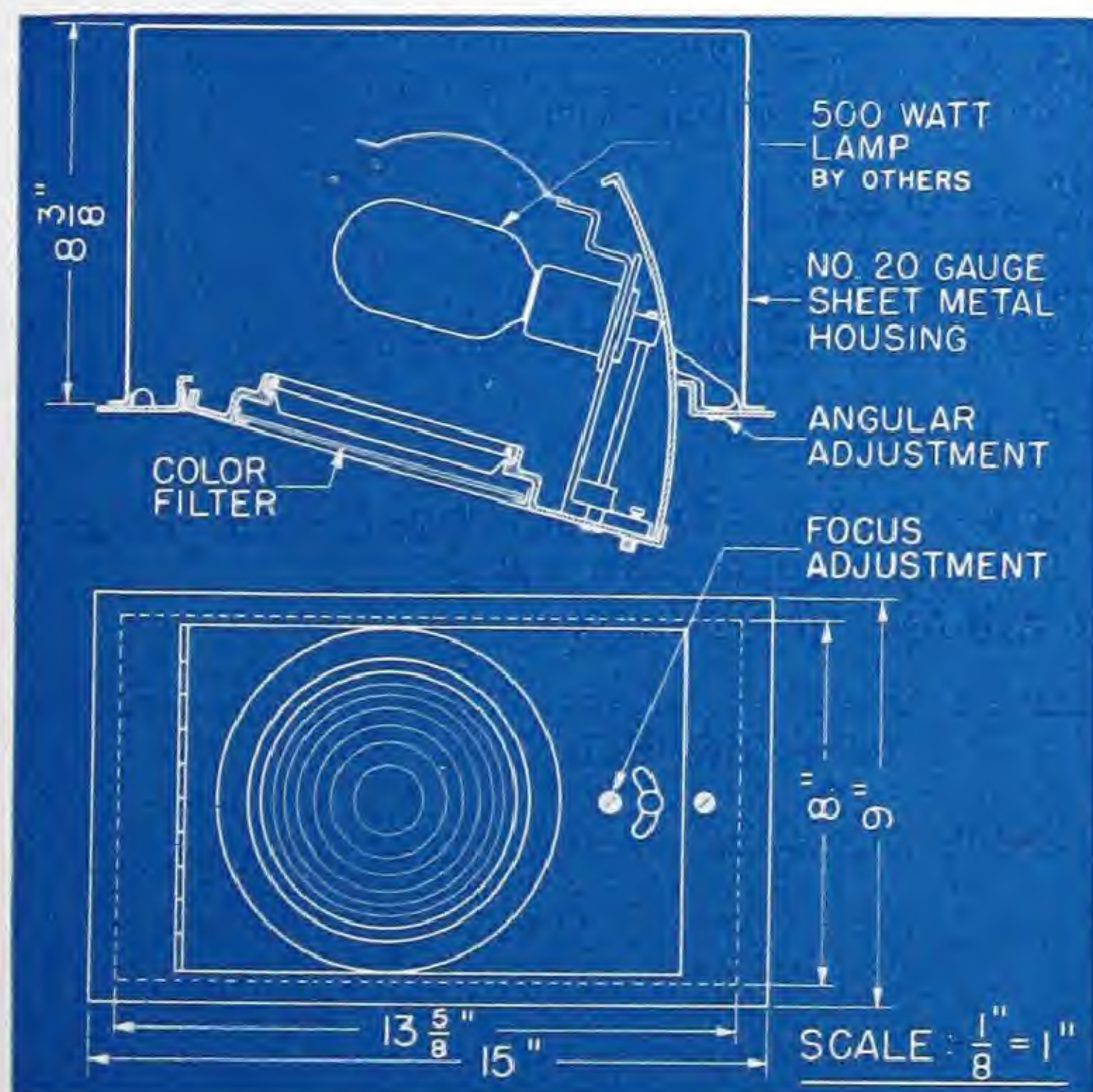
250 watt G30, C5 lamp, 200 hr. life 1.65

250 watt G30, C5 lamp, 800 hr. life 1.75

400 watt G30, C5 lamp, 200 hr. life 2.80

400 watt G30, C5 lamp, 800 hr. life 3.15

Medium Prefocus Base. Burn Base Down.



SOFT EDGE BEAM CONTROL

Flush Type — Bottom Lamp Access

Cat. No. 499

250-400-500 watt Project-O-lite

Lens System: 6" heat resisting Fresnel lens.

Characteristics: Soft edge beam, varying from narrow to wide spread.

Reflector: Alzak or Chromium spherical reflector.

Control Devices: Screw feed fast-acting focusing rod, actuated from ceiling face plate.

Screw knob for direction control located on face plate. Grooved front for color filter.

List Price: \$48.00

Glass filter and holder 3.50

250 watt T20, C13 lamp, 200 hr. life 3.50

250 watt G30, C5 lamp, 800 hr. life 1.75

400 watt G30, C5 lamp, 800 hr. life 3.15

500 watt T20, C13 lamp, 200 hr. life 4.00

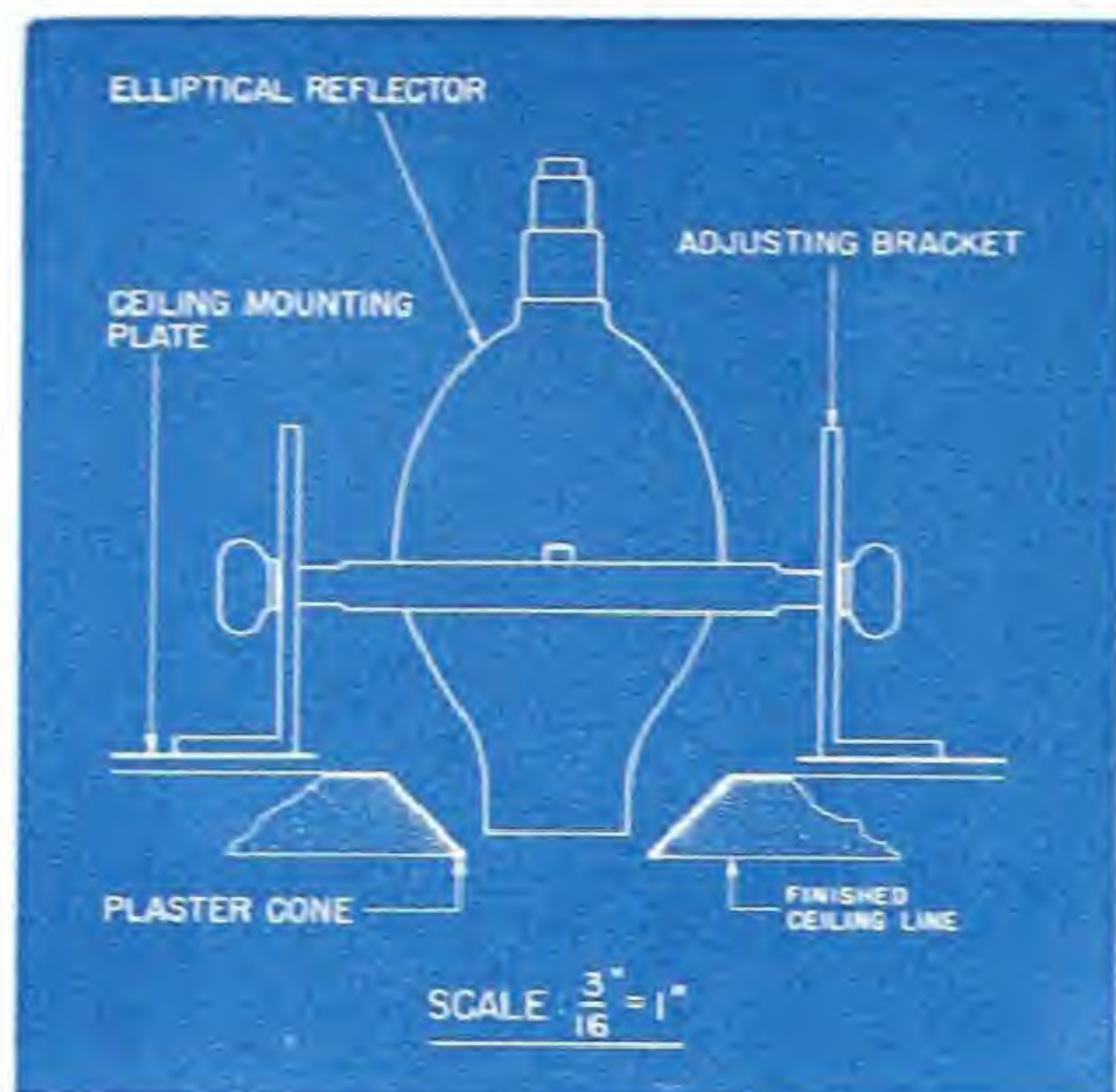
500 watt T20, C13D lamp, 200 hr. life 6.50

Medium Prefocus Base. Burn Base Down.

PROJECT-O-LITES

LOW VOLTAGE LIGHT SOURCE
SHARP DEFINITION OF BEAM

Angle of Projection is defined to mean: The angle the beam center makes with the horizontal.



Cat. No. 1660

50 Candle Power — 6 volts
90° Angle of Projection.

Lens System: 1 3/4" special lens.

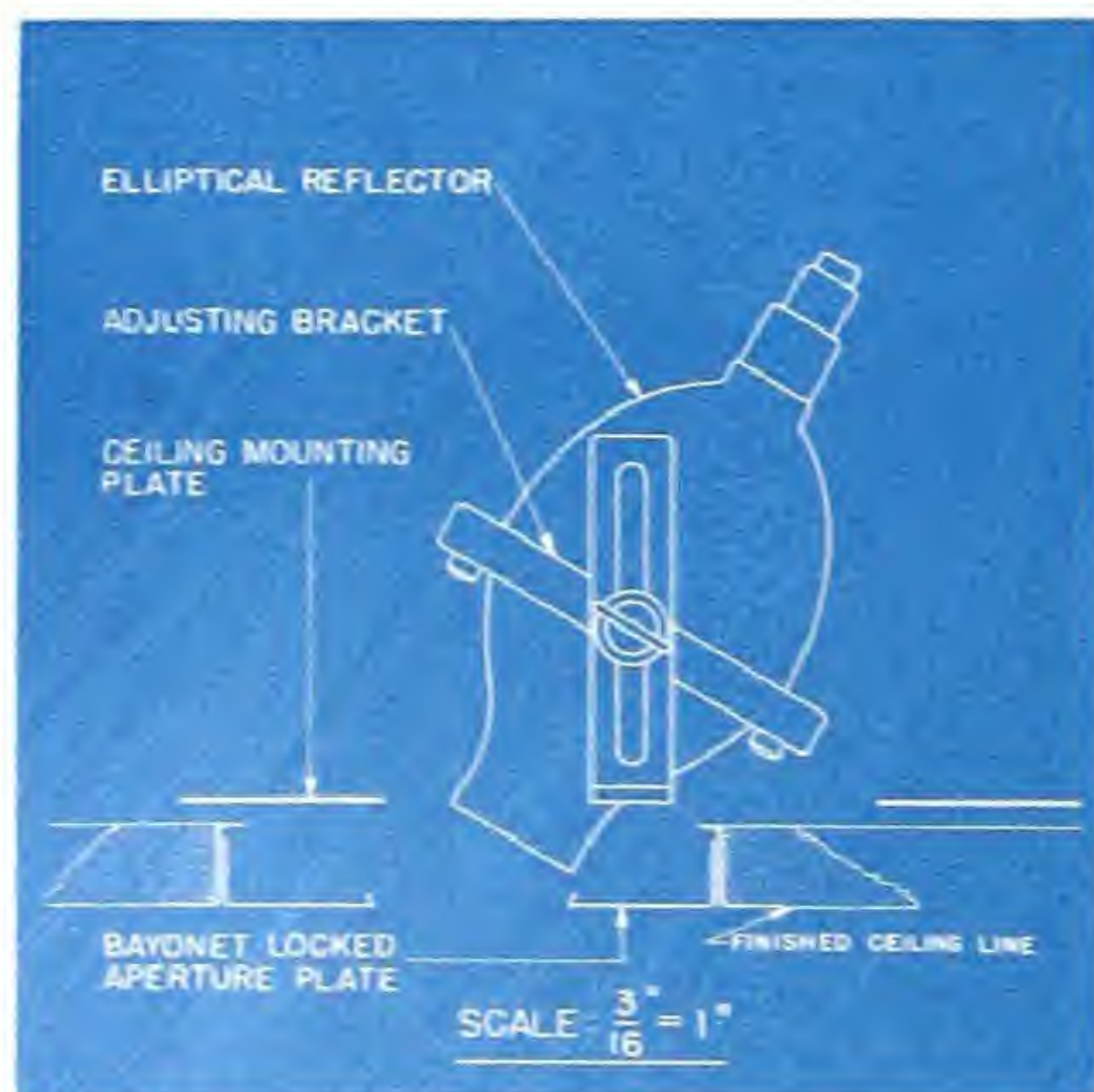
Characteristics: Sharp definition of beam.
Fixed spread of .75 ft. at 1 ft. distance.

Reflector: Alzak ellipsoidal shape.

Control Devices: Removable back mount for top lamp access.
Bracket for universal direction control.
Grooved front for color filter.

List Price: _____ \$18.00
(includes transformer)

Lamp Data: 50 Candle Power — 6 volts _____ .40



Cat. No. 1661

50 Candle Power — 6 volts
30° to 60° Angle of Projection.

Lens System: 1 3/4" special lens.

Characteristics: Sharp definition of beam.
Fixed spread of .75 ft. at 1 ft. distance.

Reflector: Alzak ellipsoidal shape.

Control Devices: Removable front mount for bottom lamp and reflector access.
Bracket for universal direction control.
Grooved front for color filter.

List Price: _____ \$24.00
(includes transformer)

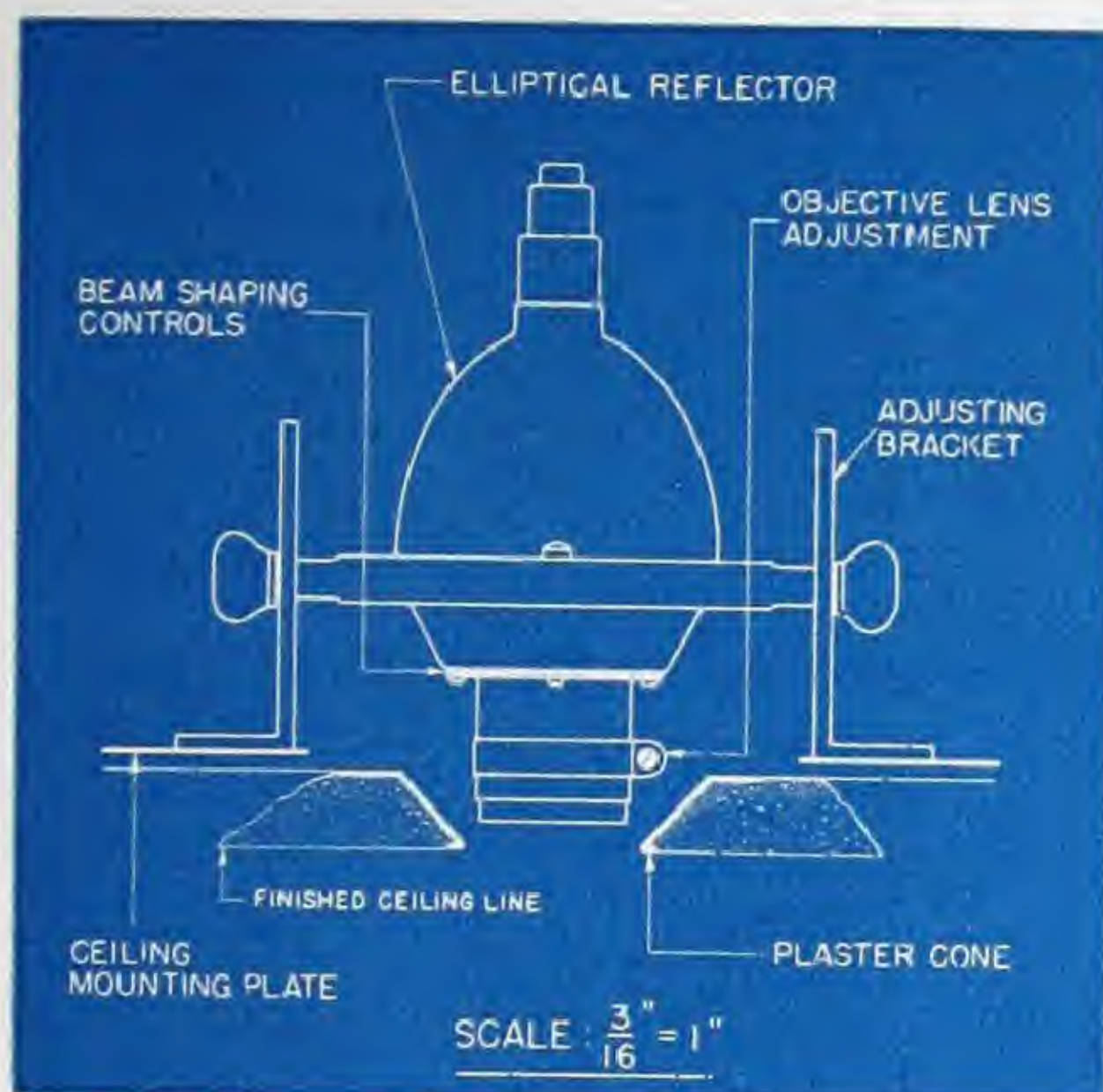
Lamp Data: 50 Candle Power — 6 volts _____ .40

PROJECT-O-LITES

LOW VOLTAGE LIGHT SOURCE

SHARP DEFINITION OF BEAM

Angle of Projection is defined to mean: The angle the beam center makes with the horizontal.



Cat. No. 1662

50 Candle Power — 6 volts
90° Angle of Projection.

Lens System: 1 3/4" objective system.

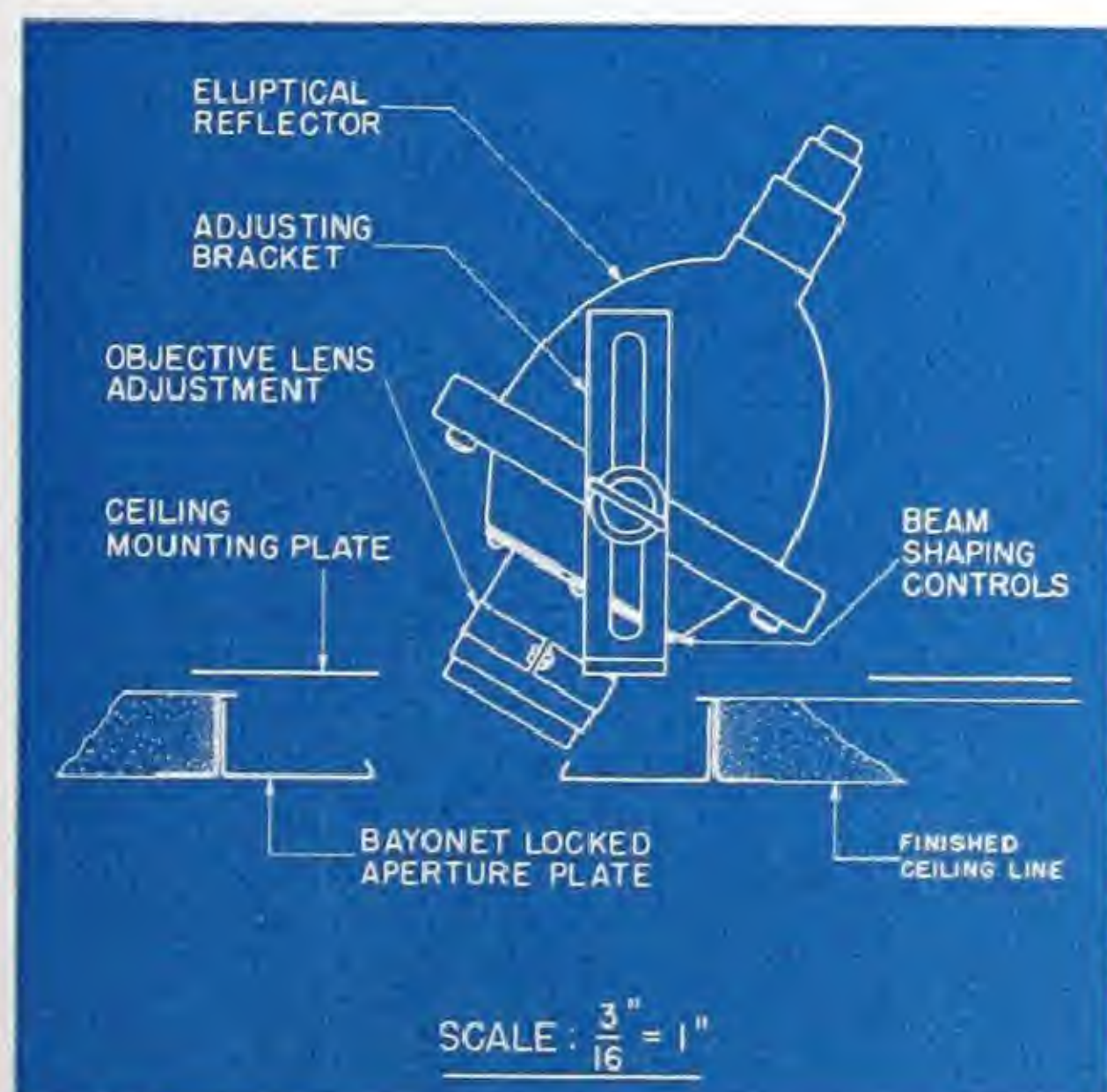
Characteristics: Sharp definition of beam.
Maximum spread is .75 ft. at 1 ft. distance.

Reflector: Alzak ellipsoidal shape.

Control Devices: Removable back mount for top lamp access.
Built-in 4 way shutters for beam shape control.
Lens barrel for focus control.
Grooved front for color filter.

List Price: \$28.00
(includes transformer)

Lamp Data: 50 Candle Power — 6 volts40



Cat. No. 1663

50 Candle Power — 6 volts
30° to 60° Angle of Projection.

Lens System: 1 3/4" objective system.

Characteristics: Sharp definition of beam.
Maximum spread is .75 ft. at 1 ft. distance.

Reflector: Alzak ellipsoidal shape.

Control Devices: Removable front mount for bottom lamp and reflector access.
Built-in 4 way shutters for beam shape control.
Lens barrel for focus control.
Bracket for direction control.
Grooved front for color filter.

List Price: \$36.00
(includes transformer)

Lamp Data: 50 Candle Power — 6 volts40

PROJECT-O-LITES

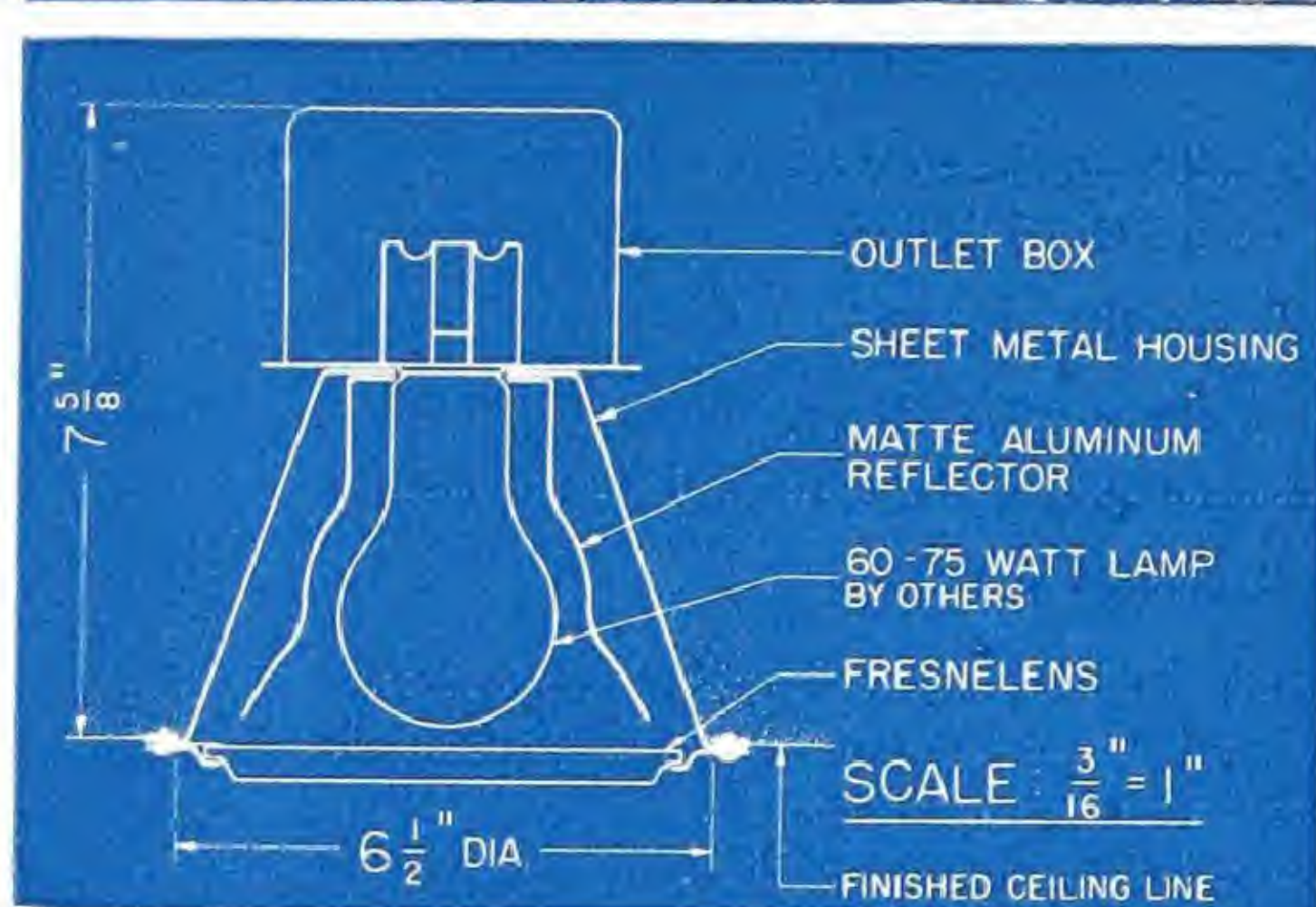
FLUSH TYPE

SOFT EDGE BEAM

BOTTOM LAMP ACCESS

Description: Instruments include outlet box with screw feed socket. Code regulated sheet metal housing. Hinged bottom lens holder enables access to lamp and reflector. Beam spread is 60° to 90°. Characteristics: Uniform field. High efficiency. Low side illumination.

Angle of Projection is defined to mean: The angle the beam center makes with the horizontal.



Cat. No. 2200

60-75 watt — 90° Angle of Projection

Aluminum reflector

6" Fresnel lens

List Price \$10.00

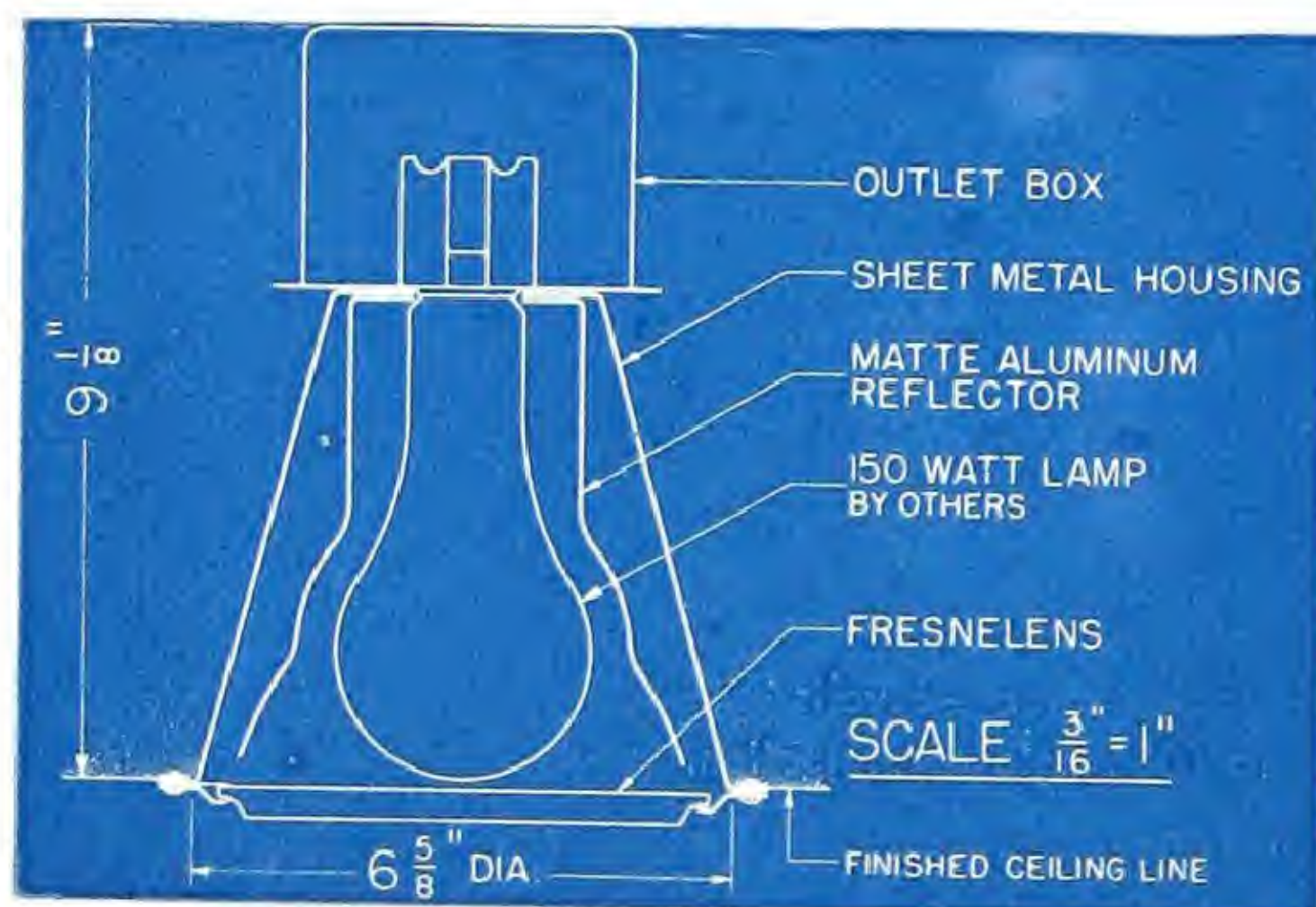
Cat. No. 2206

60-75 watt — 30° Angle of Projection

Aluminum reflector

6" Fresnel lens

List Price \$14.00



Cat. No. 2201

150 watt — 90° Angle of Projection

Aluminum reflector

6" Fresnel lens

List Price \$12.00

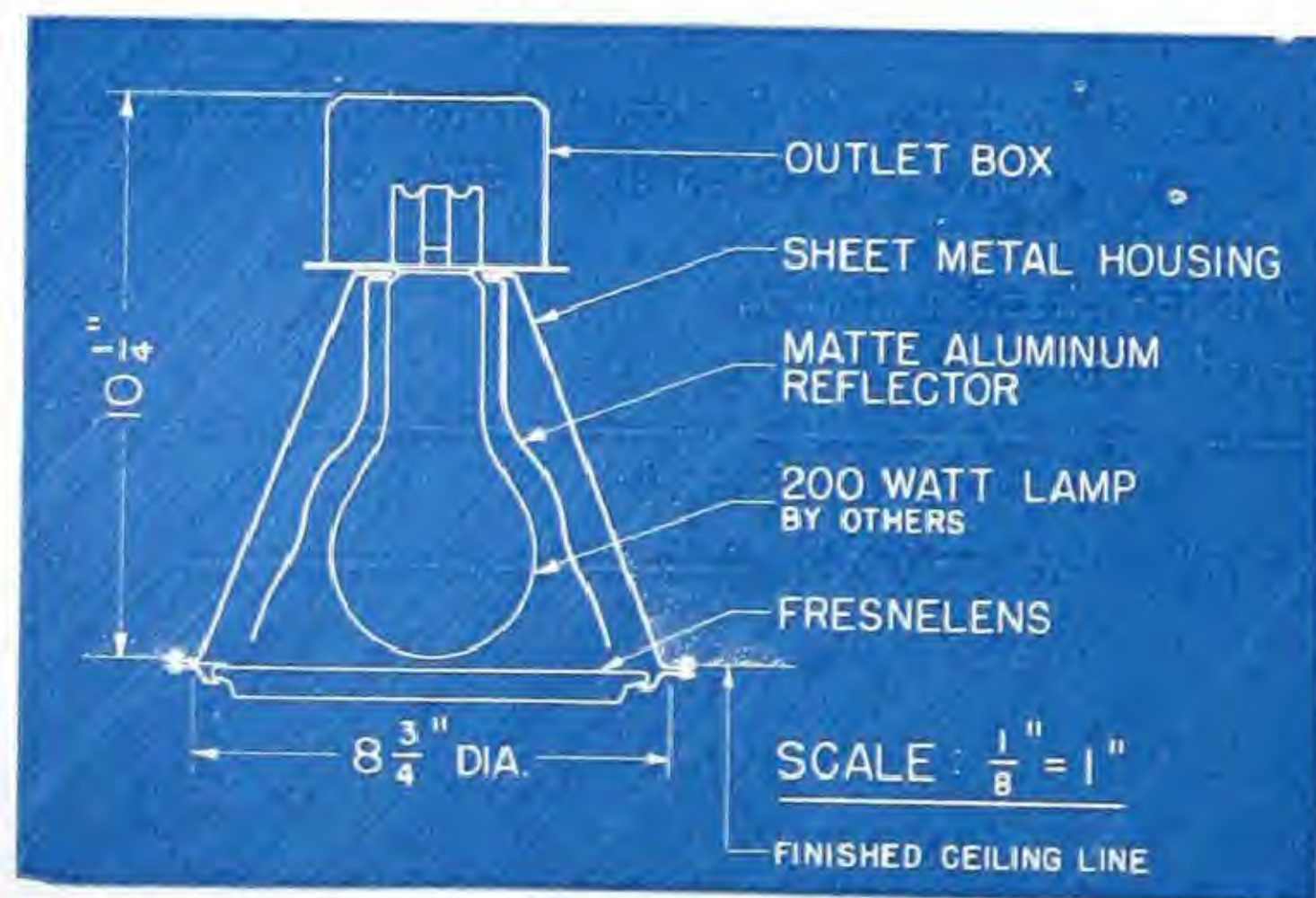
Cat. No. 2207

150 watt — 30° Angle of Projection

Aluminum reflector

6" Fresnel lens

List Price \$16.00



Cat. No. 2202

200 watt — 90° Angle of Projection

Aluminum reflector

8" Fresnel lens

List Price \$16.00

Cat. No. 2208

200 watt — 30° Angle of Projection

Aluminum reflector

8" Fresnel lens

List Price \$20.00

LARGER SIZES AVAILABLE

RECESSED LOUVRE LIGHTS

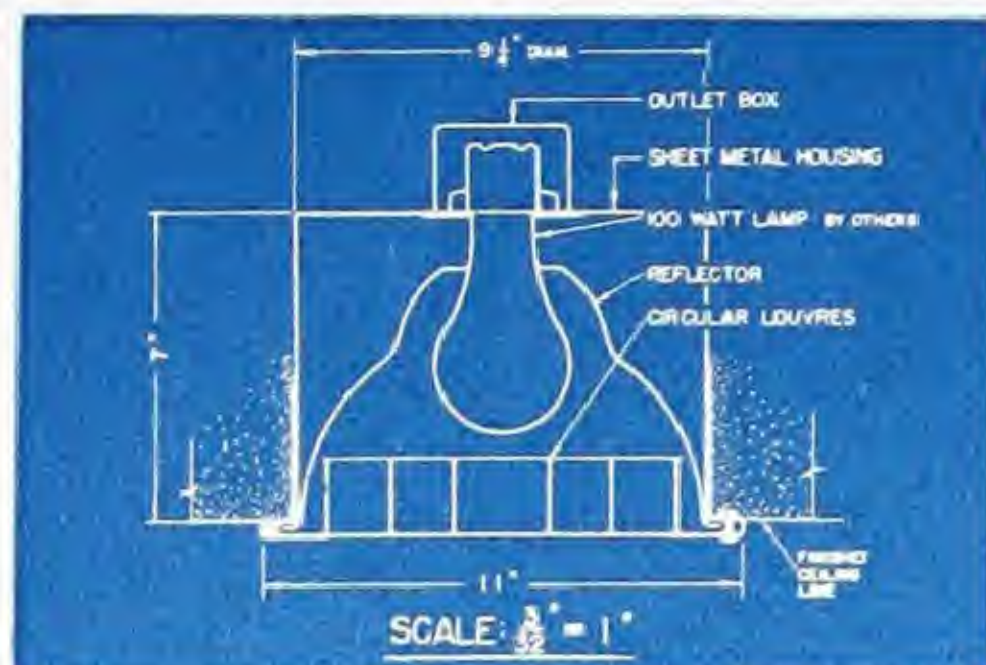
The efficiency of the reflector and the degree of control provided often make the Recessed Louvre Light or Recessed Lens Light a practical fixture for use in architectural lighting, particularly where a smooth and soft edge beam is desired.

LOUVRE LIGHTS

FLUSH TYPE

SOFT EDGE BEAM

BOTTOM LAMP ACCESS



Cat. No. 1640

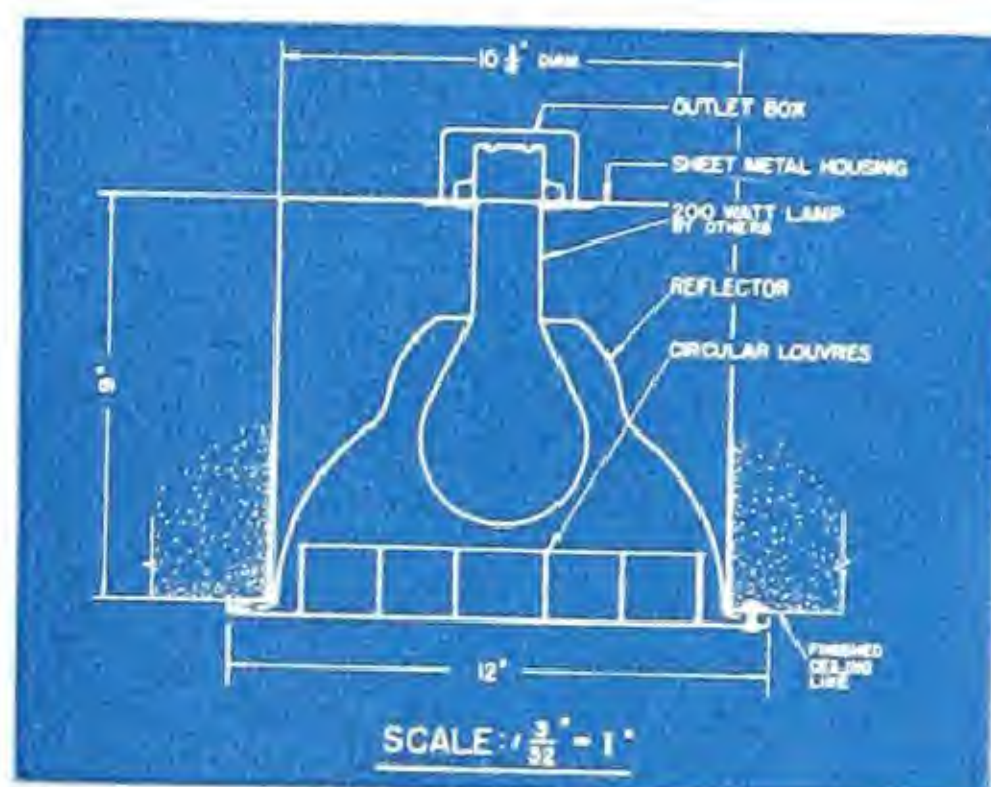
100 watt Louvre Light

Construction: Regulated sheet metal housing. Wired outlet box and medium screw socket for 100 watt A lamp. Hinged ceiling plate for lamp access.

Characteristics: Smooth beam, soft edge. Maximum spread is 1 ft. at 1 ft. distance.

Reflector: Aluminum process 9" compound parabolic and spherical reflector with circular louvre.

List Price \$14.00



Cat. No. 1641

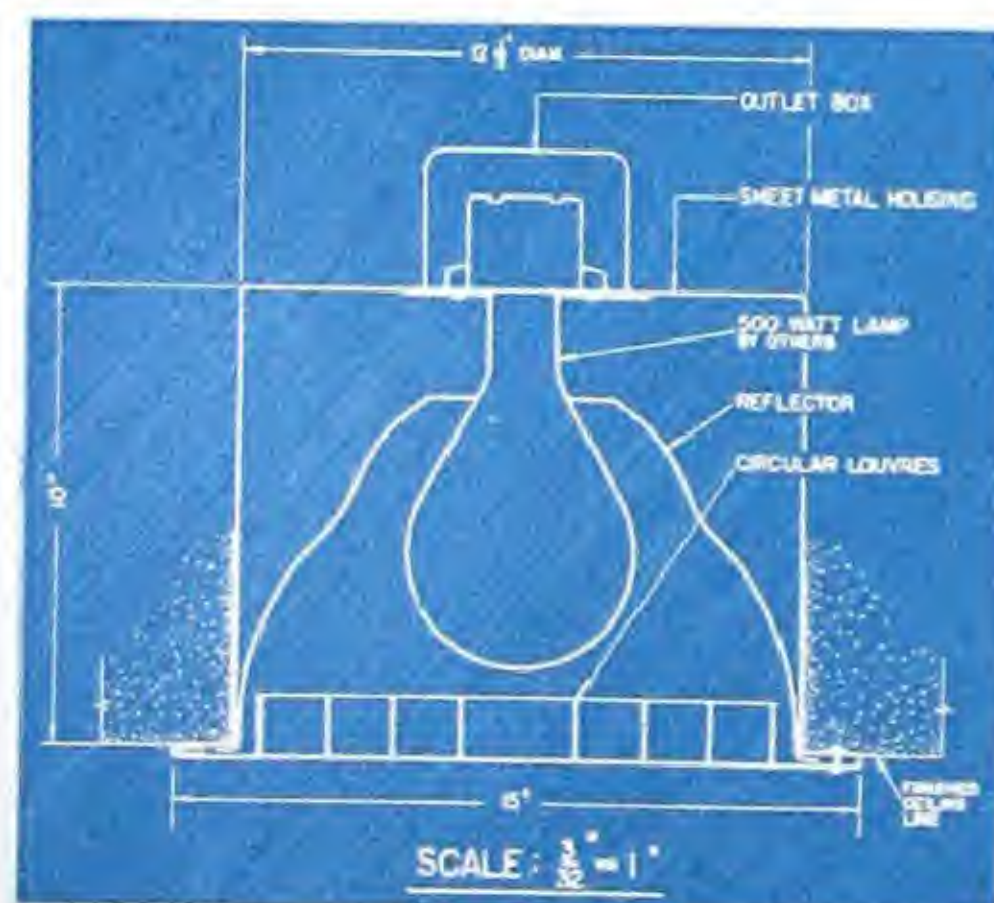
200 watt Louvre Light

Construction: Regulated sheet metal housing. Wired outlet box and medium screw base socket for 200 watt PS lamp. Hinged ceiling plate for lamp access.

Characteristics: Smooth beam, soft edge. Maximum spread is 1 ft. at 1 ft. distance.

Reflector: Aluminum process 10" compound parabolic and spherical reflector with circular louvre.

List Price \$18.00



Cat. No. 1642

500 watt Louvre Light

Construction: Regulated sheet metal housing. Wired outlet box and mogul screw base socket for 500 watt PS lamp. Hinged ceiling plate for lamp access.

Characteristics: Smooth beam, soft edge. Maximum spread is 1 ft. at 1 ft. distance.

Reflector: Aluminum process 12" compound parabolic and spherical reflector with circular louvre.

List Price \$24.00



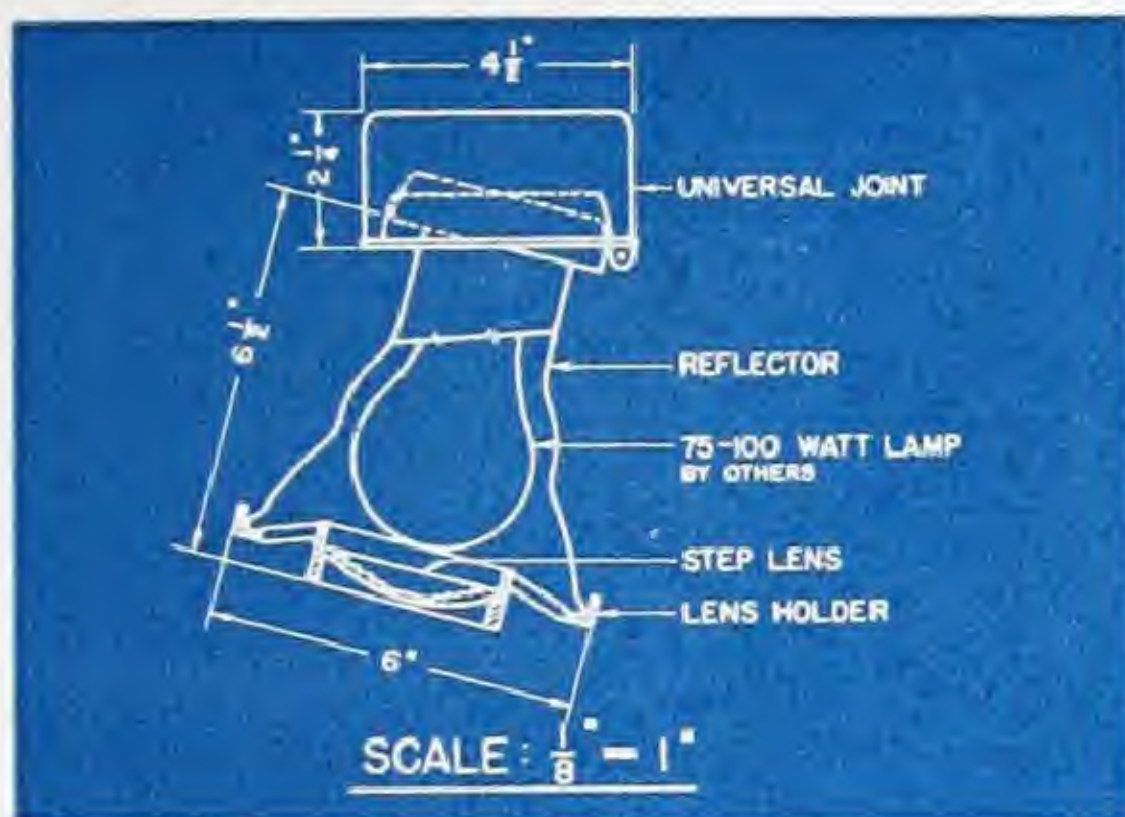
LOUVRE AND LENS LIGHTS

SURFACE TYPE

SOFT EDGE BEAM

BOTTOM LAMP ACCESS

Description: Instruments include outlet box with screw feed socket. Universal adjustment device. Intensifier mounted in Aluminum spun circular louvre. Hinged bottom enables access for relamping. Beam spread is from 27° to 32°. Characteristics: Specular Beam with soft edge.



Cat. No. 1626

75-100 watt

6" Alzak Reflector

3" Intensifier

List Price \$15.00

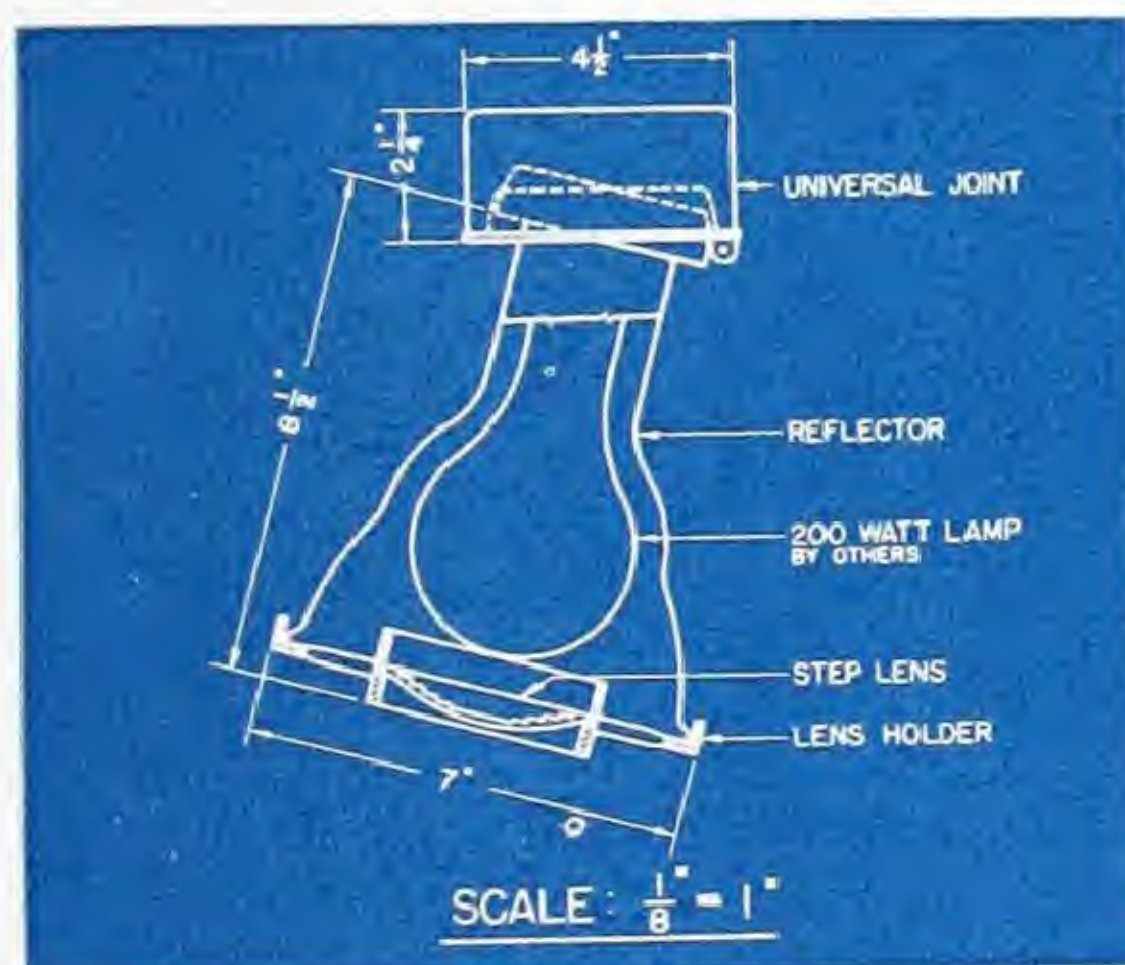
Cat. No. 1627

75-100 watt

6" Chromium Reflector

3" Intensifier

List Price \$15.00



Cat. No. 1630

150-200 watt

7" Alzak Reflector

3 3/4" Intensifier

List Price \$18.00

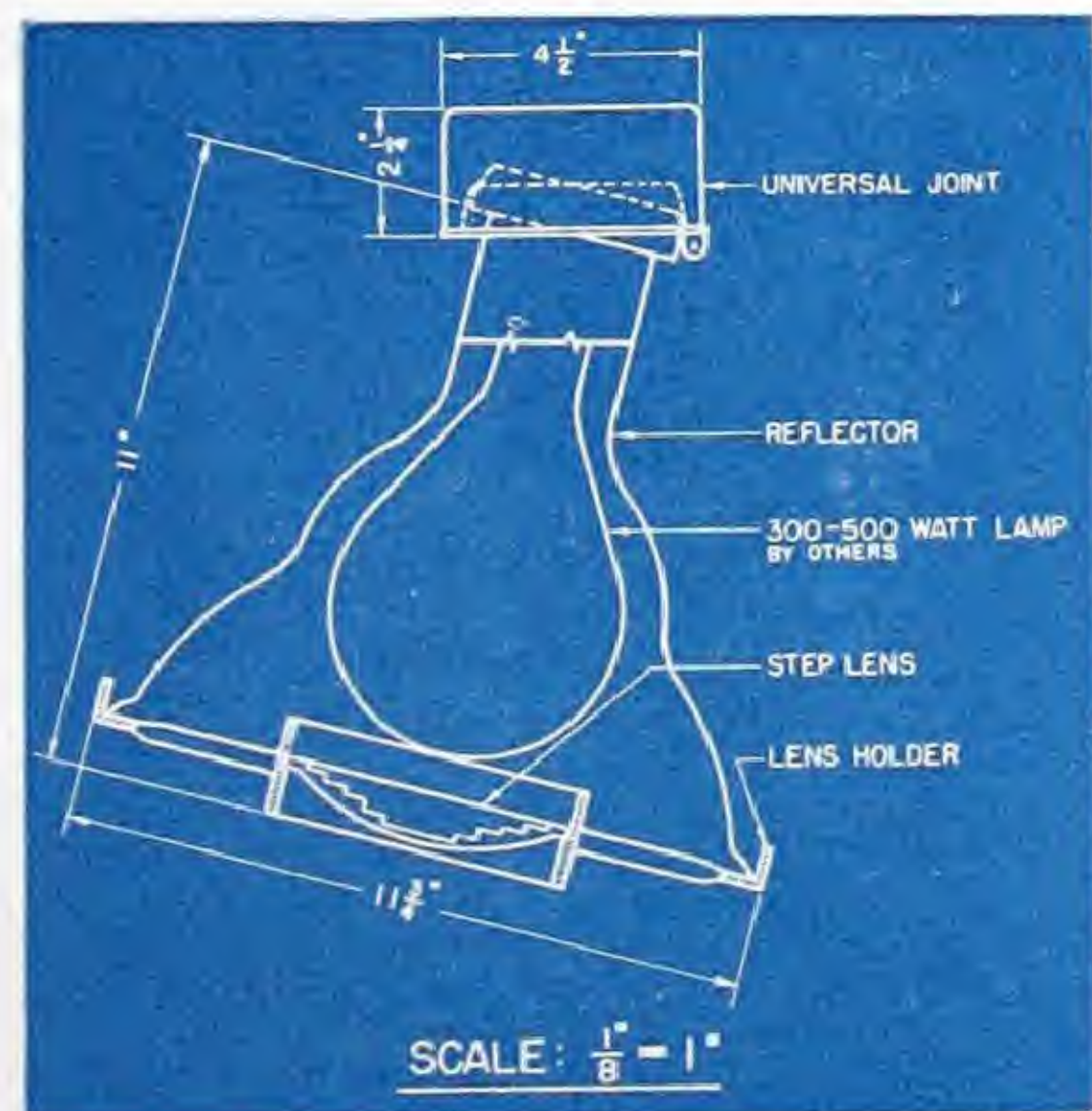
Cat. No. 1631

150-200 watt

7" Chromium Reflector

3 3/4" Intensifier

List Price \$18.00



Cat. No. 1634

300-500 watt

11" Alzak Reflector

5" Intensifier

List Price \$24.50

Cat. No. 1635

300-500 watt

11" Chromium Reflector

5" Intensifier

List Price \$24.50

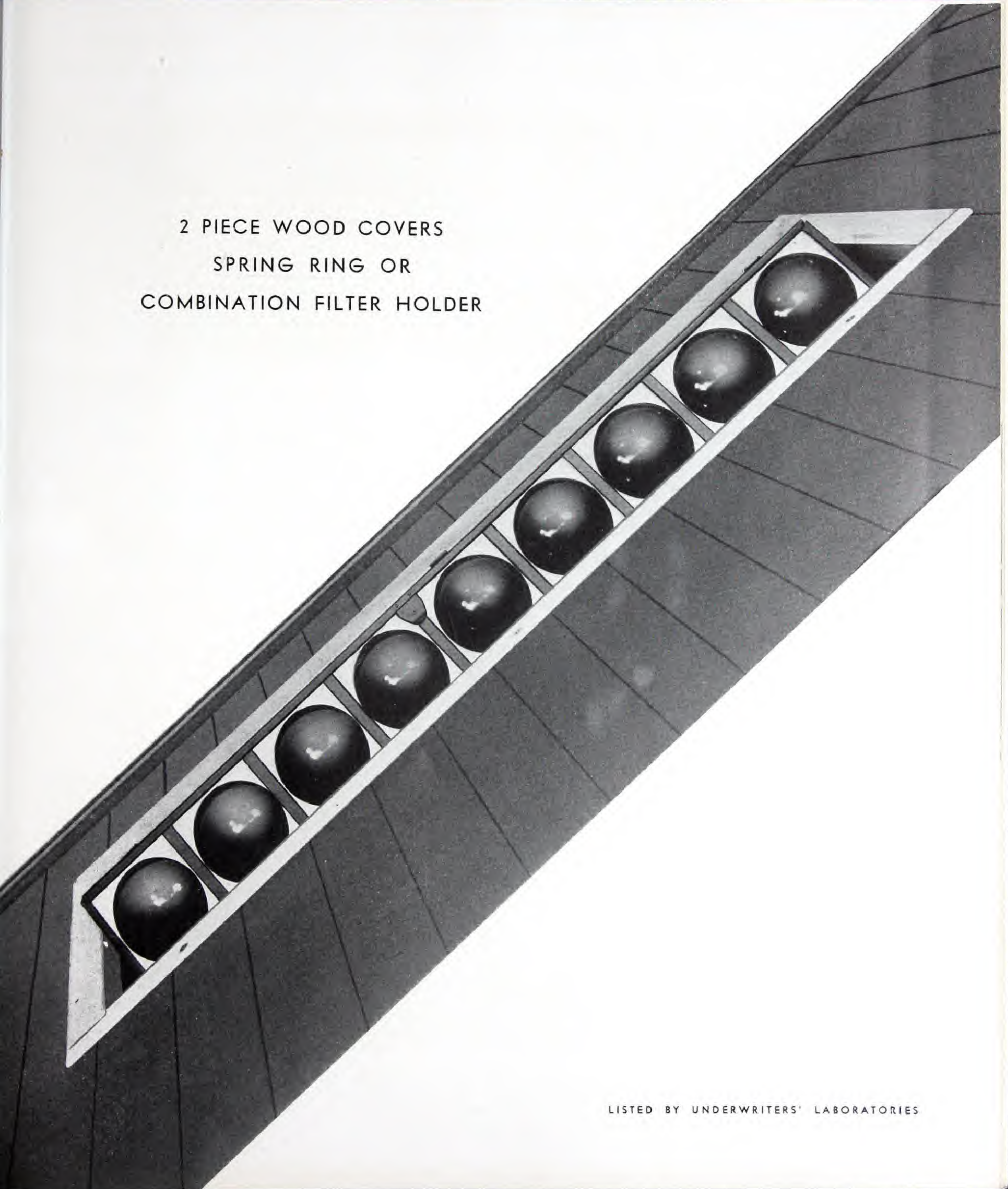


F O O T L I G H T S

The chief heritage of the past, the symbol of tradition in the theatre, and although much reviled, a very useful instrument is the footlight. Since the introduction of front lighting from balcony facia, spotlight booths or ceiling beams, the function of the footlight becomes that of illuminating the curtain, toning the setting with shadowless illumination in any desired tint, or reverting occasionally to its custom of giving a theatrical and brilliant illumination from below, particularly to the flashing legs of a well drilled chorus. Unlike its predecessor, it must now project light into the set and be controllable in a range of color, but like its predecessor, it must give shadowless illumination. This, the modern footlight does.

DISAPPEARING FOOTLIGHTS

2 PIECE WOOD COVERS
SPRING RING OR
COMBINATION FILTER HOLDER



LISTED BY UNDERWRITERS' LABORATORIES

DISAPPEARING FOOTLIGHTS

INDIVIDUAL REFLECTOR TYPE

COMBINATION FILTER HOLDERS

2 PIECE WOOD COVERS



General Features include:

1. Construction in 5' 2" sections, enabling 1" trim for correct finish to floor or to curve.
2. Malleable iron supports and cross arm brackets to insure rigidity.
3. Kiln dry maple wood trims, stripped and glued to avoid warping. Frame corners mortised and tenoned for strength.
4. 3 latches to insure opened and closed positions.
5. Automatic "on" and "off" mercury switches.
6. Heat resisting colored glass roundels (red, blue, green, amber, clear, and straw).
7. Combination filter holders to interchange with glass roundel or gelatine.
8. Splice box for feed cables for 3 color circuits with terminal block for every section.

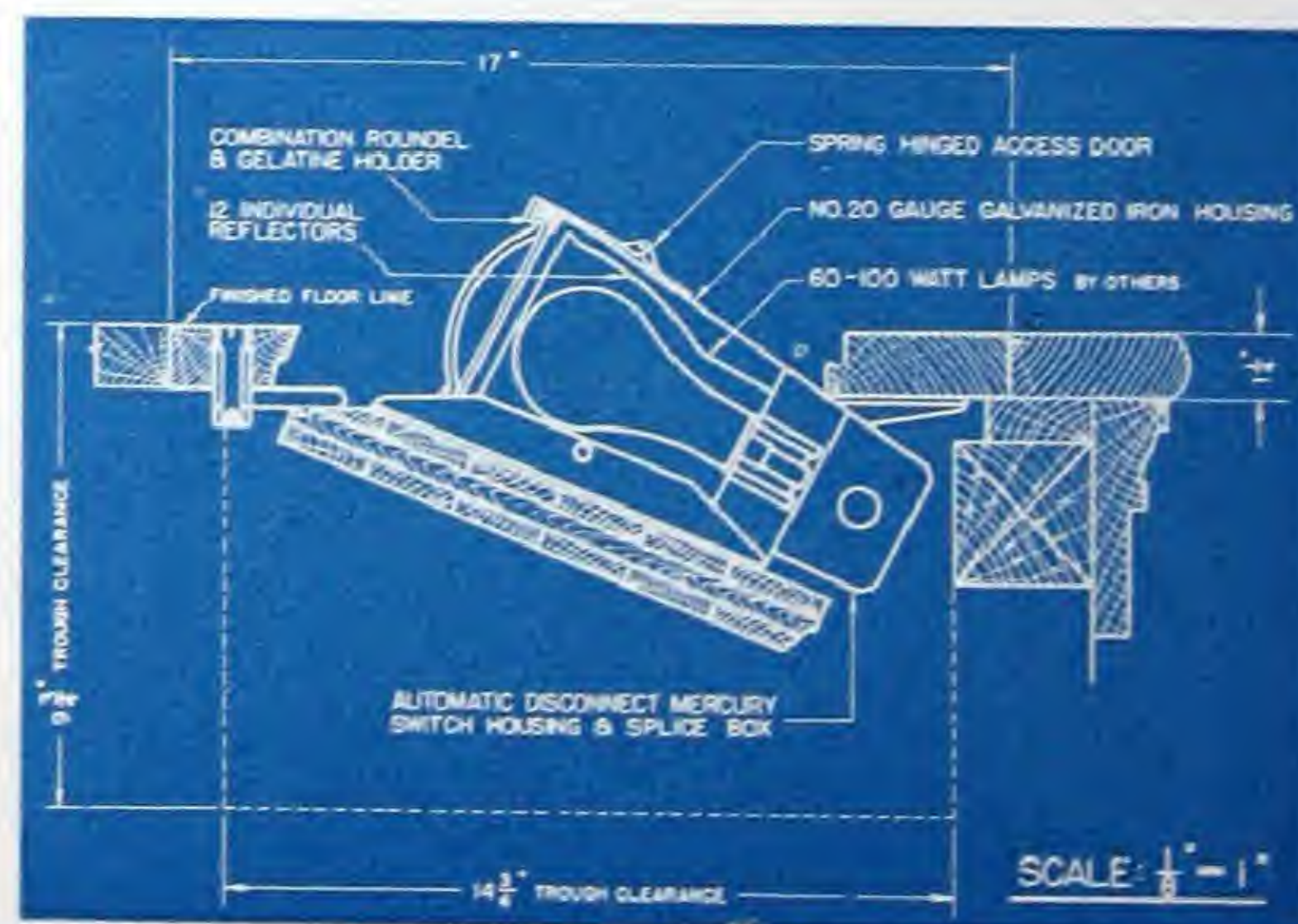
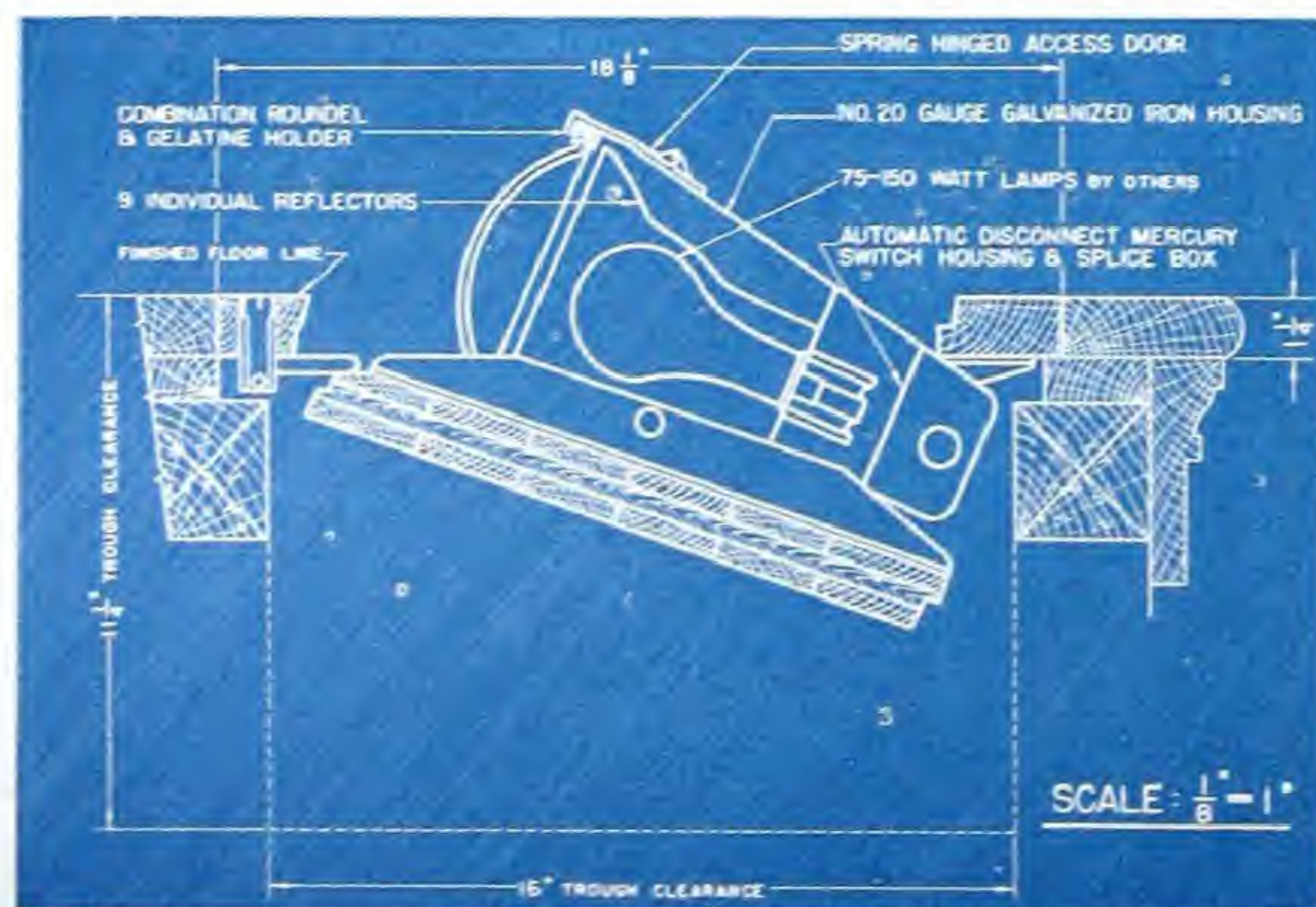
9 outlets — 75 to 150 watts

Cat. No.	Type Reflector	List Price
821	Chromium	\$78.00
831	Alzak	80.00
820	Aluminum	73.00

12 outlets — 75 to 100 watts

Cat. No.	Type Reflector	List Price
822	Chromium	\$75.00
830	Alzak	77.00
819	Aluminum	70.00

DIMENSIONAL DATA

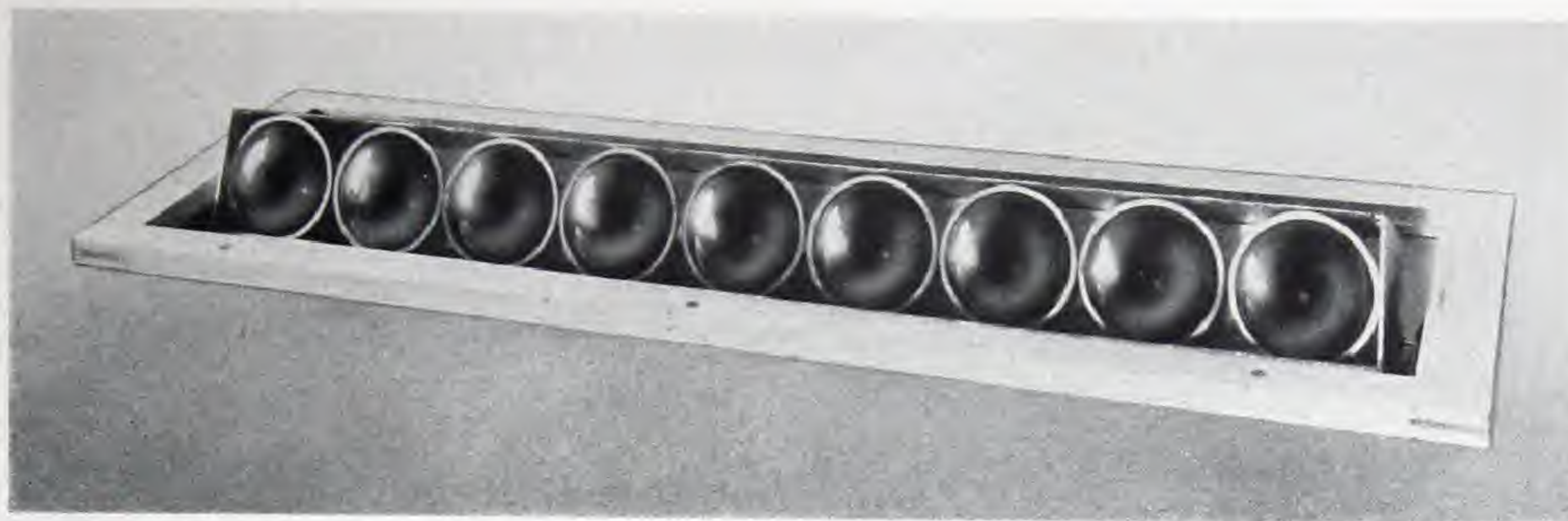


DISAPPEARING FOOTLIGHTS

INDIVIDUAL REFLECTOR TYPE

SPRING RING HOLDERS

2 PIECE WOOD COVERS



General Features include:

1. Construction in 5' 2" sections, enabling 1" trim for correct finish to floor or to curve.
2. Malleable iron supports and cross arm brackets to insure rigidity.
3. Kiln dry maple wood trims, stripped and glued to avoid warping. Frame corners mortised and tenoned for strength.
4. 3 latches to insure opened and closed positions.
5. Automatic "on" and "off" mercury switches.
6. Heat resisting colored glass roundels (red, blue, green, amber, clear, and straw).
7. Rapid acting spring ring holders for glass roundels.
8. Splice box for feed cables for 3 color circuits with terminal block for every section.

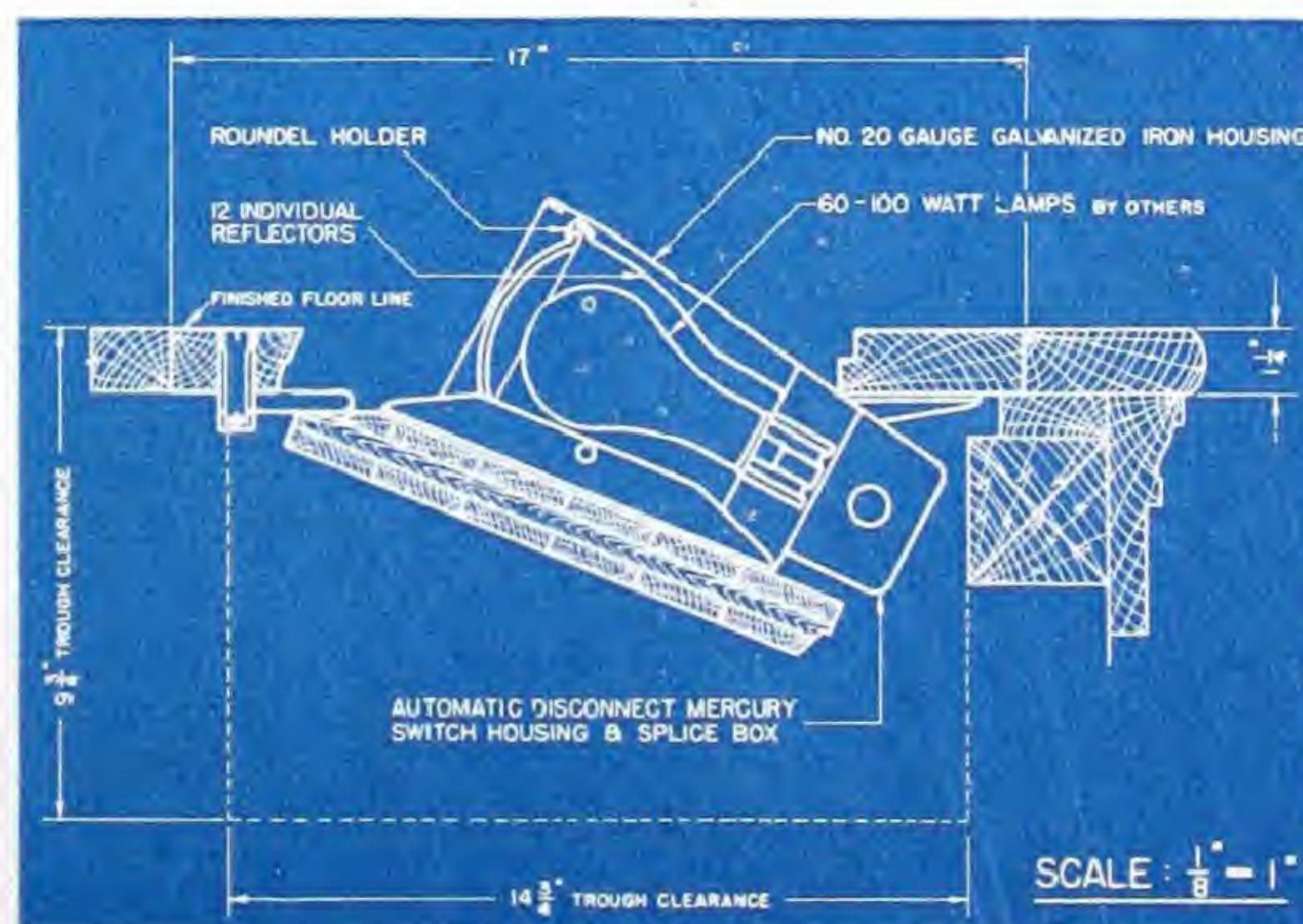
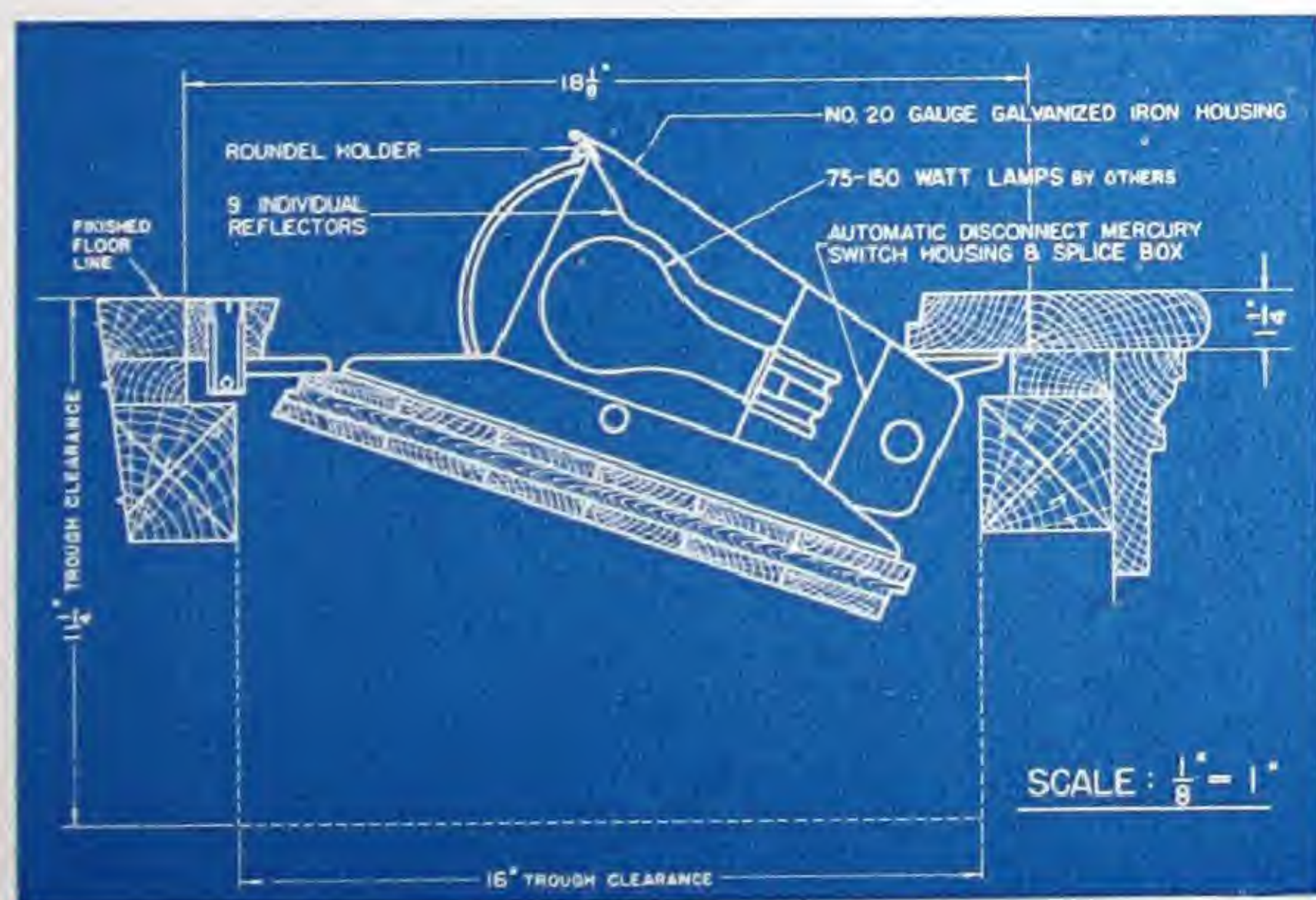
9 outlets — 75 to 150 watts

Cat. No.	Type Reflector	List Price
842	Chromium	\$73.00
843	Alzak	75.00
844	Aluminum	68.00

12 outlets — 75 to 100 watts

Cat. No.	Type Reflector	List Price
845	Chromium	\$70.00
846	Alzak	72.00
847	Aluminum	65.00

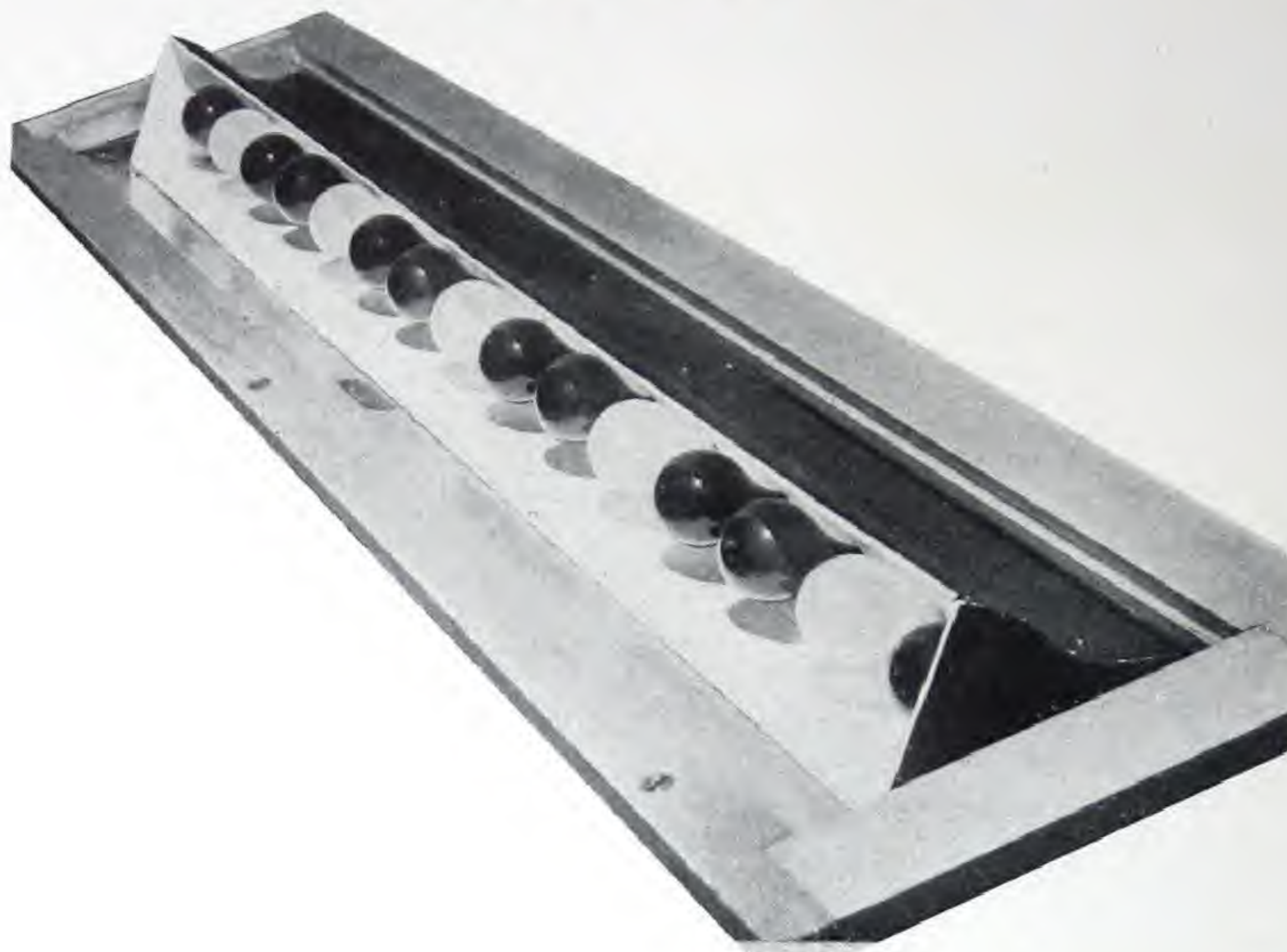
DIMENSIONAL DATA



DISAPPEARING FOOTLIGHTS

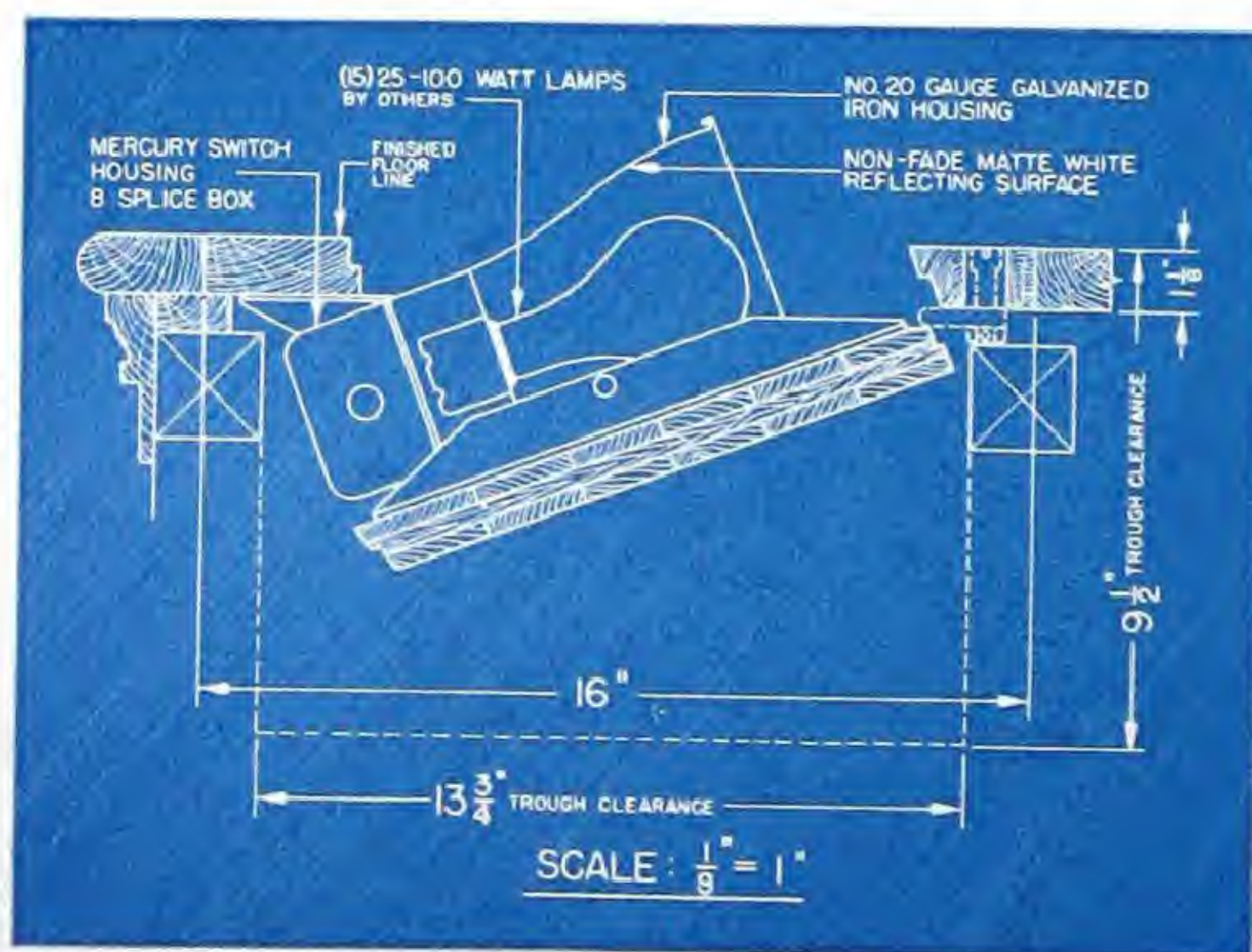
CONTINUOUS REFLECTING SURFACE

2 PIECE WOOD COVERS



General Features include:

1. Construction in 5' 2" sections, enabling 1" trim for correct finish to floor or to curve.
2. Malleable iron supports and cross arm brackets to insure rigidity.
3. Kiln dry maple wood trims, stripped and glued to avoid warping. Frame corners mortised and tenoned for strength.
4. 3 latches to insure opened and closed positions.
5. Automatic "on" and "off" mercury switches.
6. Splice box for feed cables for 3 color circuits with terminal block for every section.



15 Outlets — 25 to 100 watts

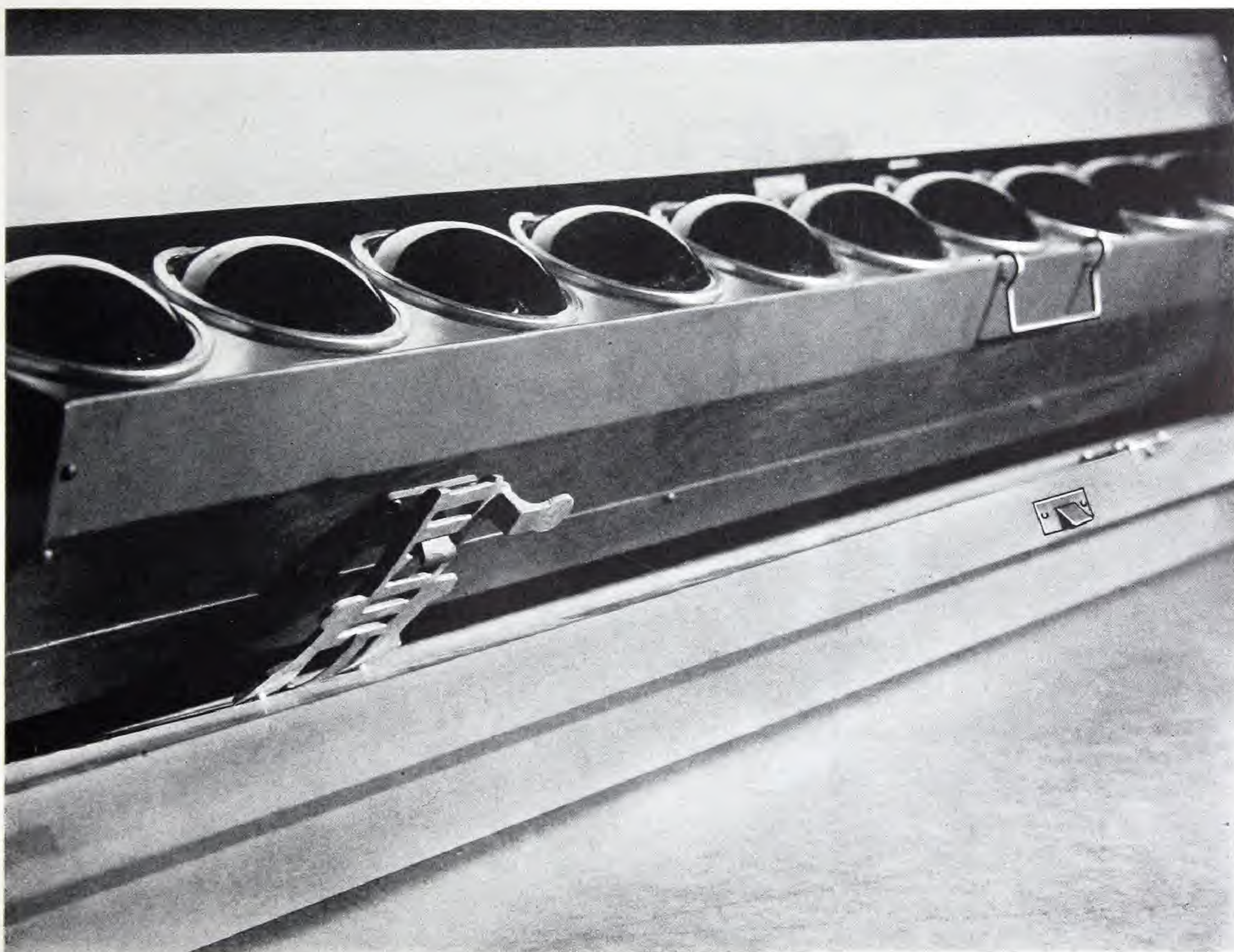
Cat. No.	Reflecting Surface	List Price
811	White Paint	\$50.00
811A	Alzak Stripping	60.00
811C	Chromium Stripping	55.00

DOUBLE ROW AVAILABLE



DISAPPEARING FOOTLIGHTS

3 PIECE WOOD COVERS
6 STEP HEIGHT ADJUSTMENT



LISTED BY UNDERWRITERS' LABORATORIES

CENTURY LIGHTING INC., 419 WEST 55th STREET, NEW YORK



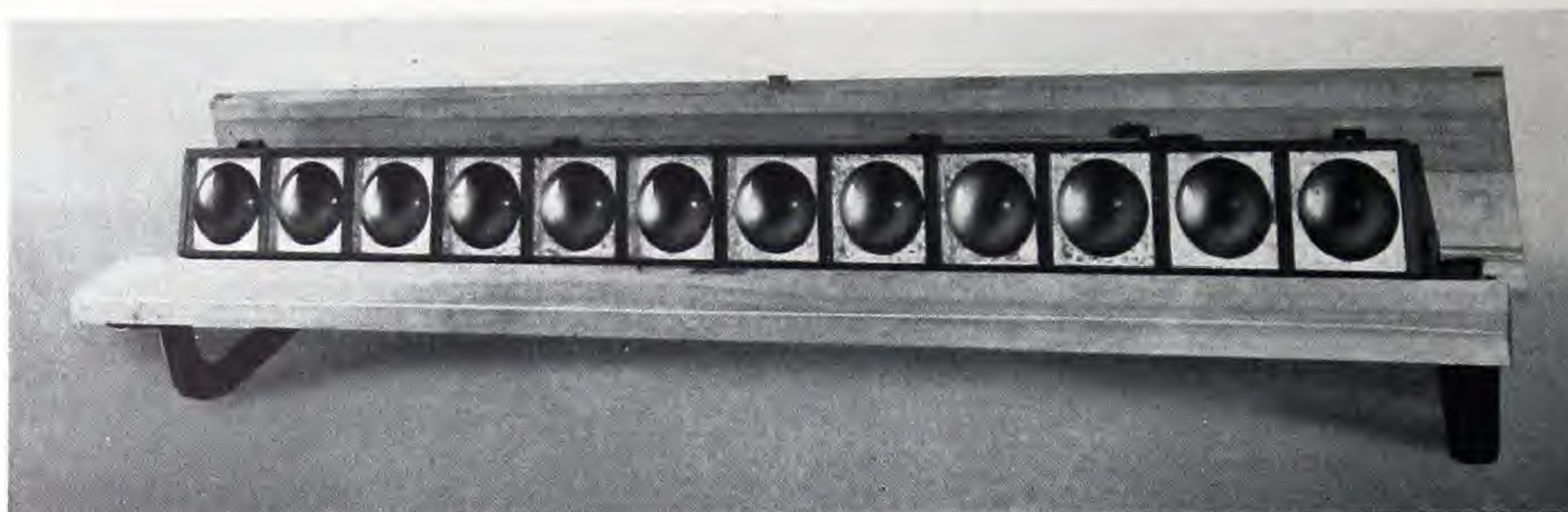
DISAPPEARING FOOTLIGHTS

INDIVIDUAL REFLECTOR TYPE

6 STEP HEIGHT ADJUSTMENT

3 PIECE WOOD COVERS

COMBINATION FILTER HOLDERS



General Features include:

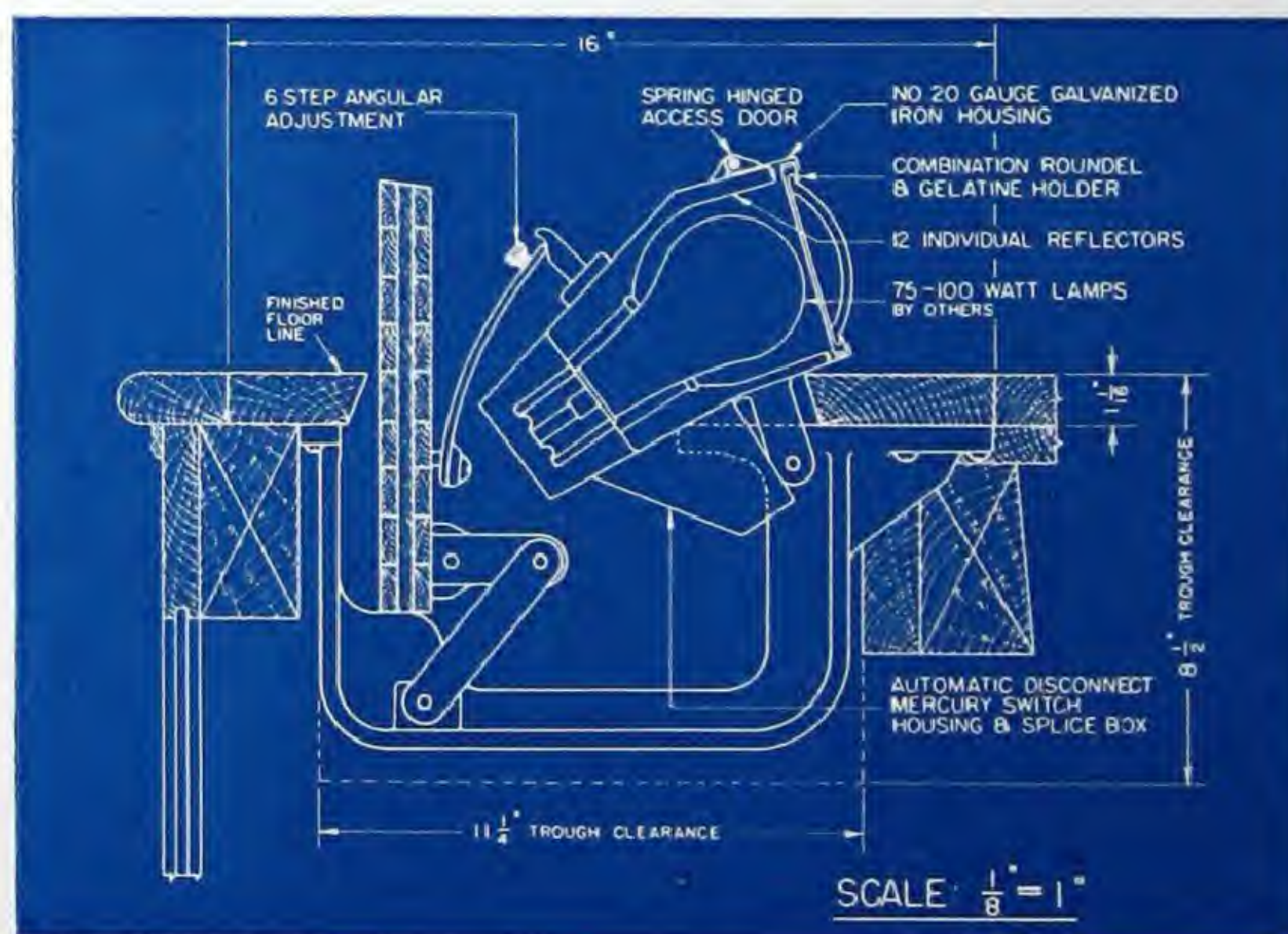
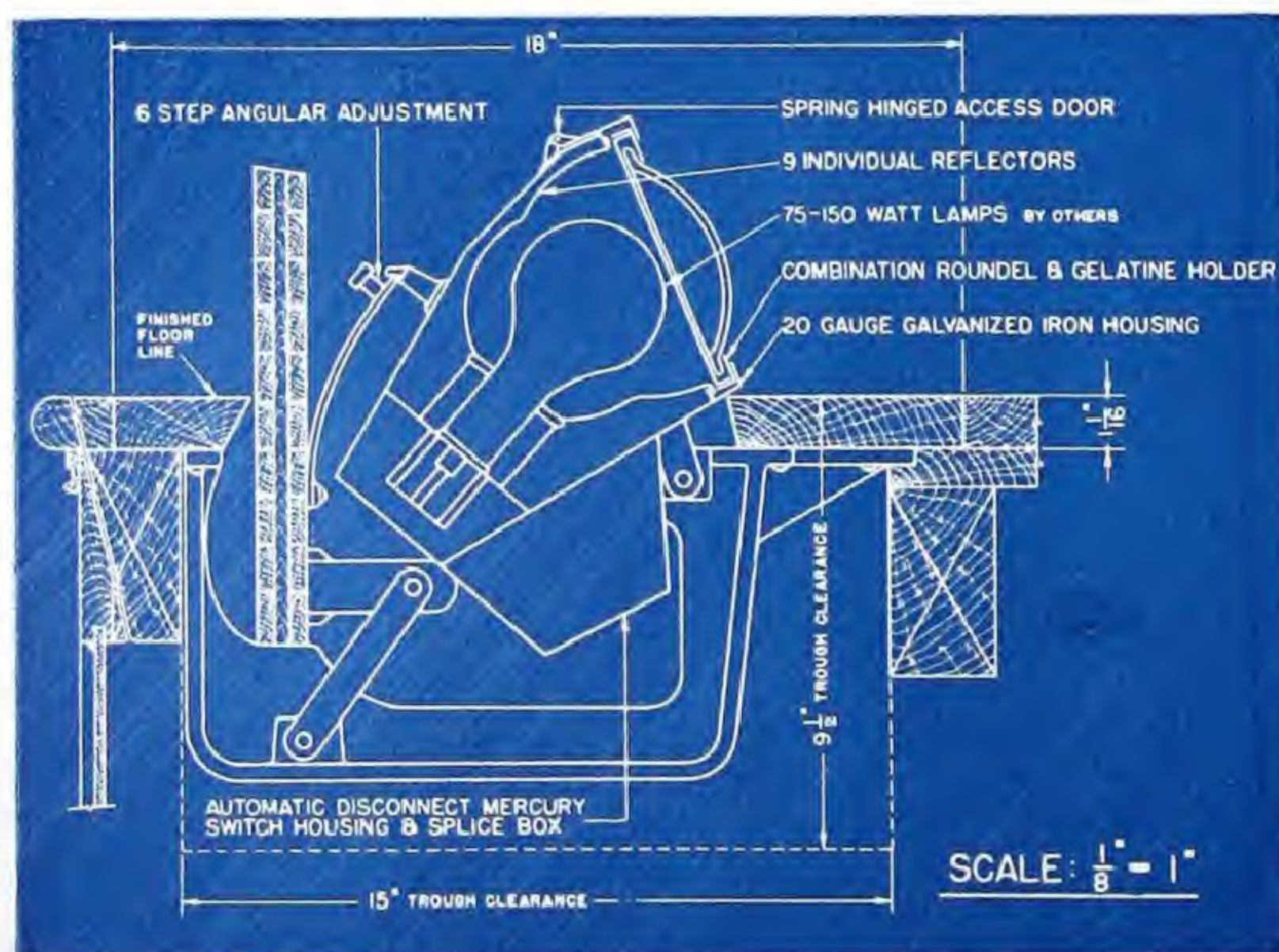
1. Construction in 5 ft. sections.
2. Malleable iron supports and cross arm brackets to insure rigidity.
3. Kiln dry maple wood trims, stripped and glued to avoid warping.
4. Lift-latch and lock to insure positive opened and closed positions.
5. Automatic "on" and "off" mercury switches.
6. Heat resisting colored glass roundels (red, blue, green, amber, clear, and straw).
7. Combination filter holders to interchange with glass roundel or gelatine.
8. Splice box for feed cables for 3 color circuits with terminal block for every section.
9. 6 step height adjustment to enable varying angles of light projection to stage.

9 outlets — 75 to 150 watts

Cat. No.	Type Reflector	List Price
833	Aluminum	\$73.00
834	Chromium	78.00
835	Alzak	80.00

12 outlets — 75 to 100 watts

Cat. No.	Type Reflector	List Price
836	Aluminum	\$70.00
837	Chromium	75.00
838	Alzak	77.00



CENTURY LIGHTING INC., 419 WEST 55th STREET, NEW YORK

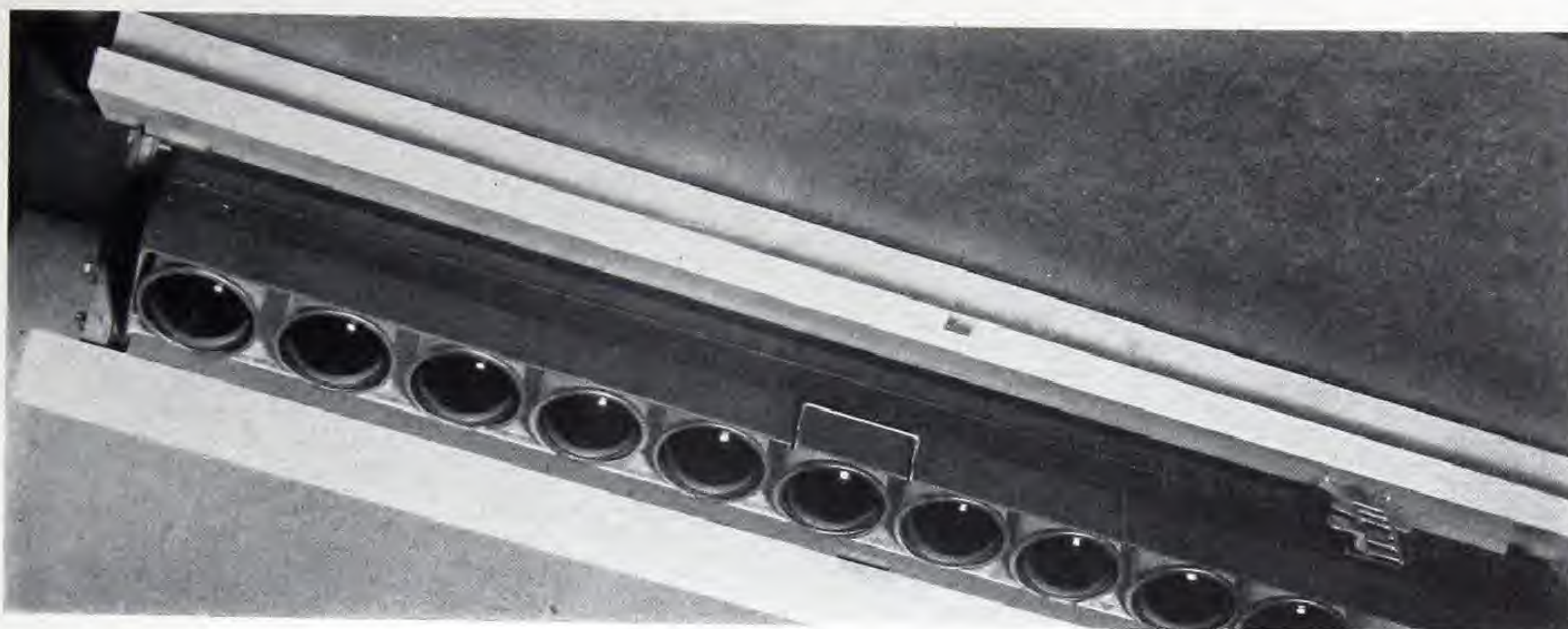
DISAPPEARING FOOTLIGHTS

INDIVIDUAL REFLECTOR TYPE

6 STEP HEIGHT ADJUSTMENT

SPRING RING HOLDERS

3 PIECE WOOD COVERS



General Features include:

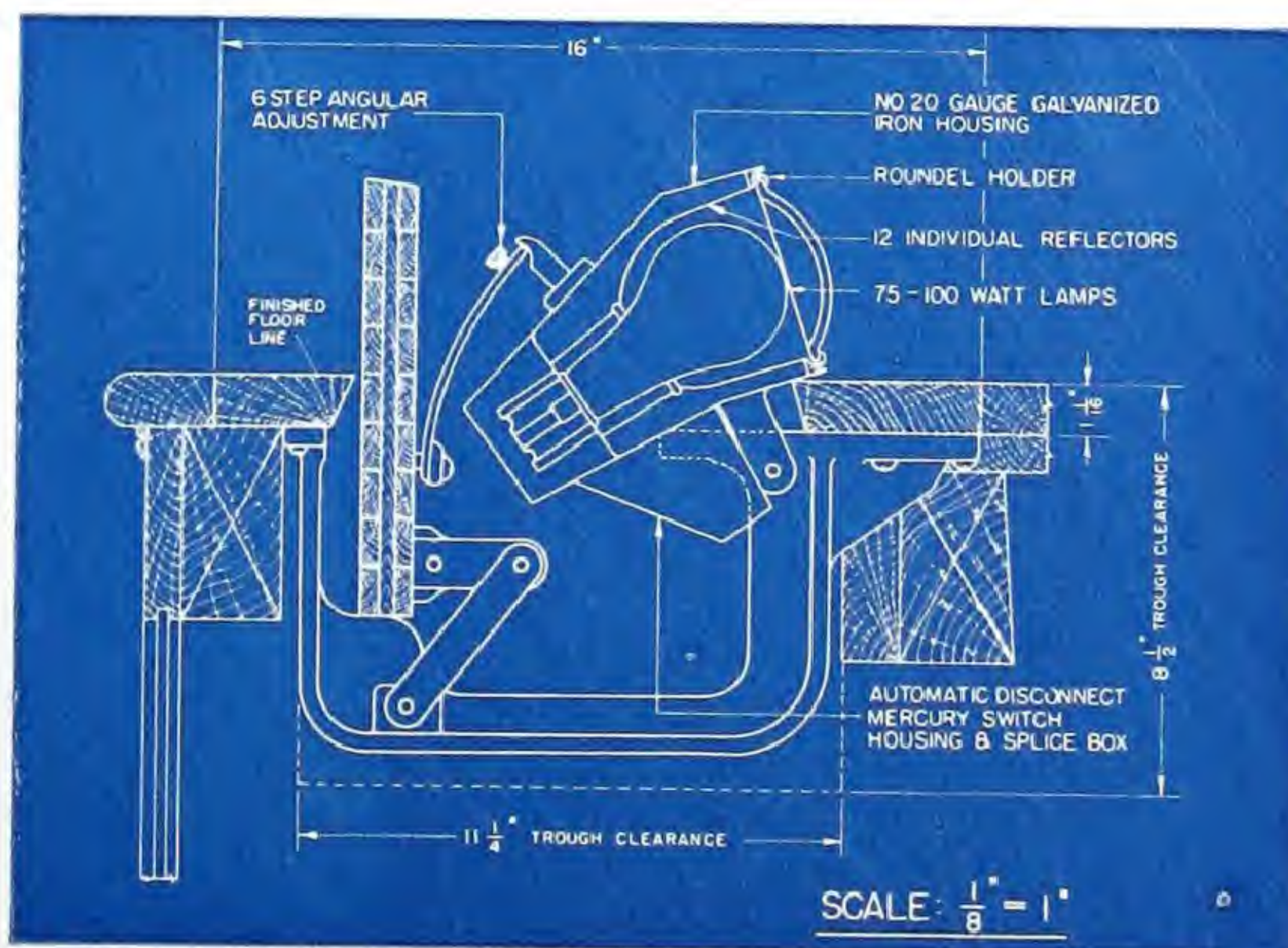
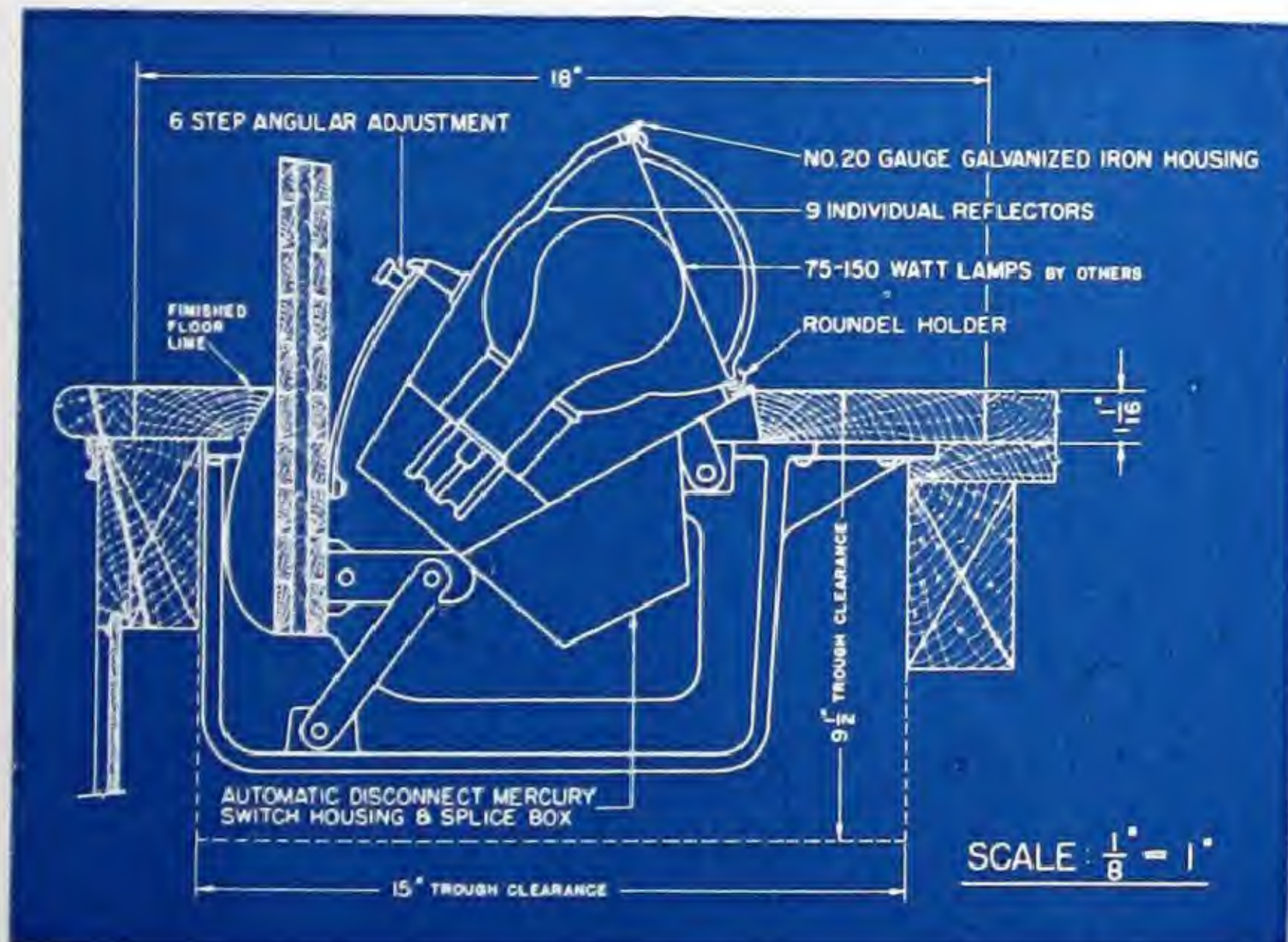
1. Construction in 5 ft. sections.
2. Malleable iron supports and cross arm brackets to insure rigidity.
3. Kiln dry maple wood trims, stripped and glued to avoid warping.
4. Lift-latch and lock to insure positive opened and closed positions.
5. Automatic "on" and "off" mercury switches.
6. Heat resisting colored glass roundels (red, blue, green, amber, clear, and straw).
7. Rapid acting spring ring holders for glass roundels.
8. Splice box for feed cables for 3 color circuits with terminal block for every section.
9. 6 step height adjustment to enable varying angles of light projection to stage.

9 outlets — 75 to 150 watts

Cat. No.	Type Reflector	List Price
848	Aluminum	\$68.00
849	Chromium	73.00
850	Alzak	75.00

12 outlets — 75 to 100 watts

Cat. No.	Type Reflector	List Price
851	Aluminum	\$65.00
852	Chromium	70.00
853	Alzak	72.00

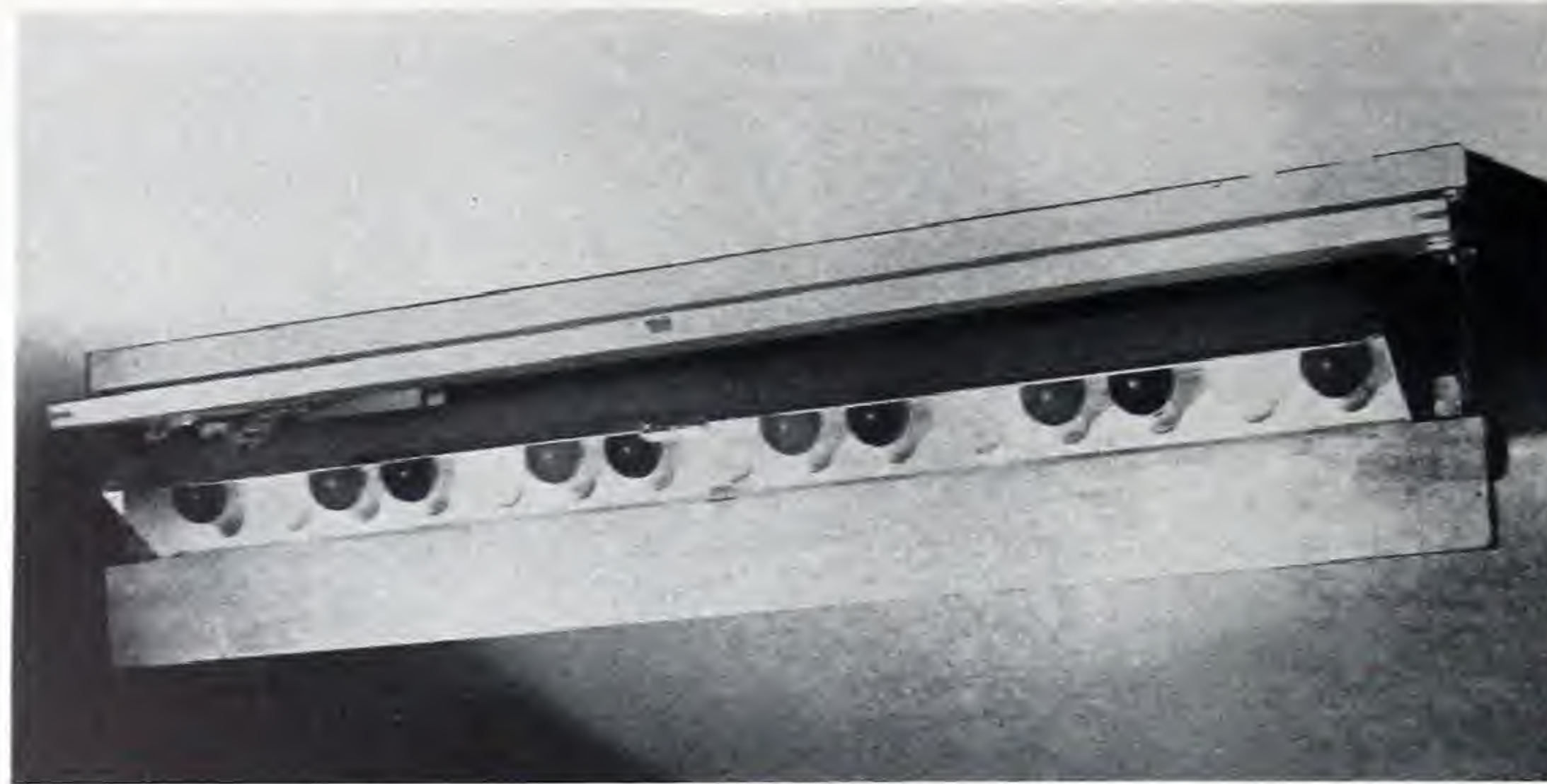


DISAPPEARING FOOTLIGHTS

CONTINUOUS REFLECTING SURFACE

6 STEP HEIGHT ADJUSTMENT

3 PIECE WOOD COVERS



General Features include:

1. Construction in 5 ft. sections.
2. Malleable iron supports and cross arm brackets to insure rigidity.
3. Kiln dry maple wood trims, stripped and glued to avoid warping.
4. Lift latch and lock to insure positive opened and closed positions.
5. Automatic "on" and "off" mercury switches.
6. Splice box for feed cables for 3 color circuits with terminal block for every section.
7. 6 step height adjustment to enable varying angles of light projection to stage.

COMPARTMENT TYPE FLOODLIGHTS

Metal color frames for gelatine

12 Outlets — 25 to 100 Watts

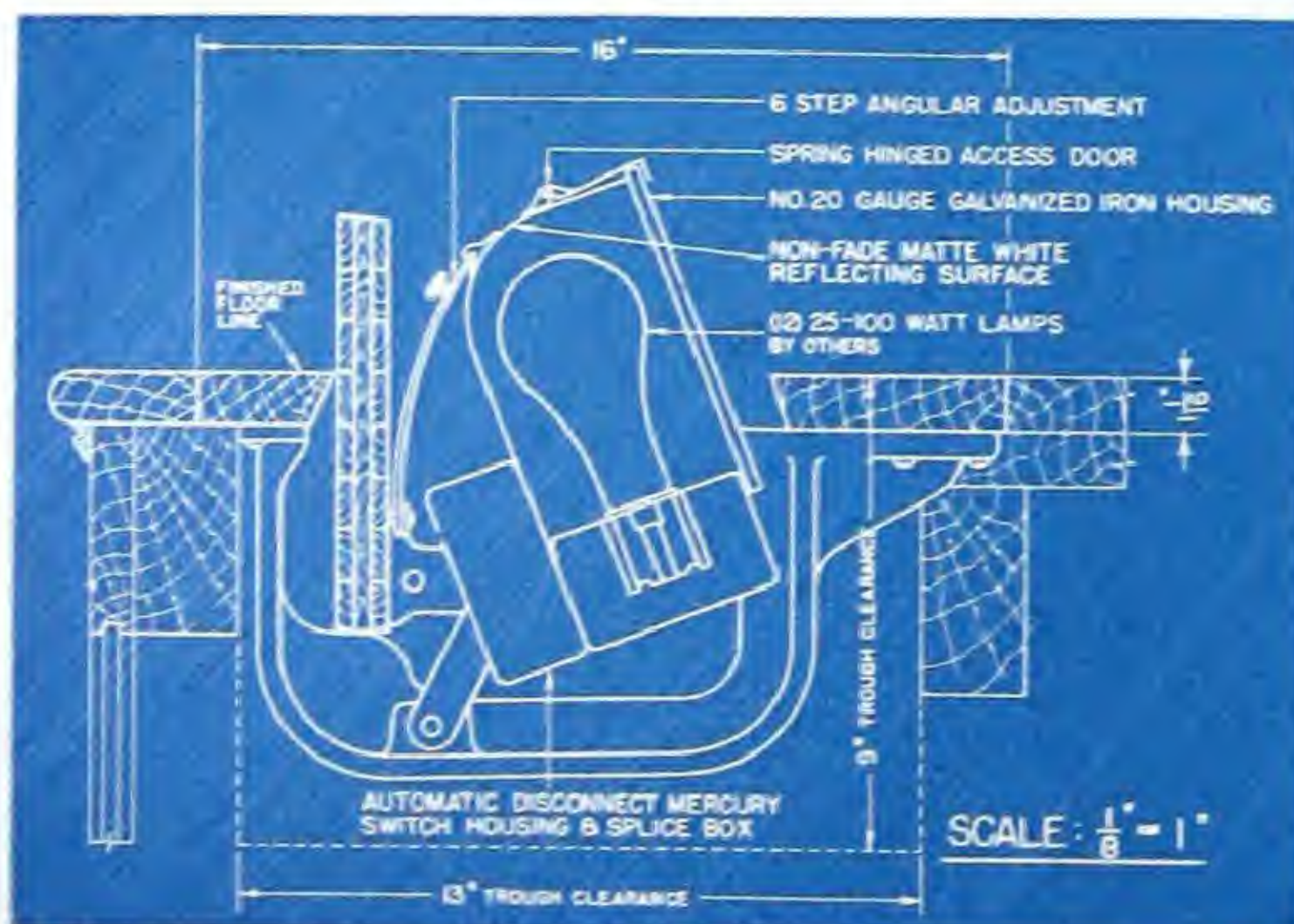
Cat. No.	Type Reflector	List Price
812	White Paint	\$55.00

15 Outlets — 25 to 100 Watts

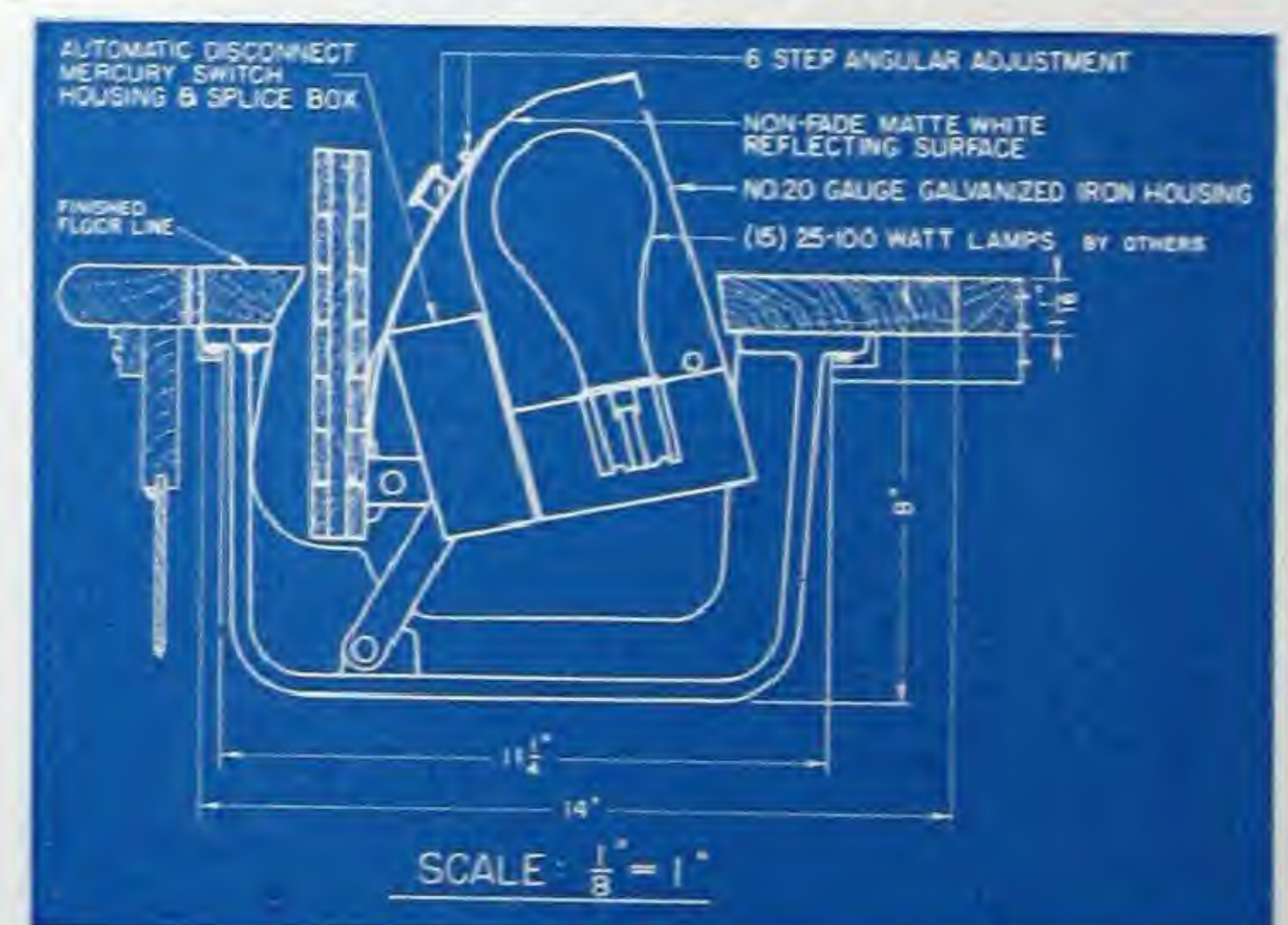
Cat. No.	Type Reflector	List Price
832	White Paint	\$50.00
832A	Alzak stripping	60.00
832B	Chromium stripping	55.00

DIMENSIONAL DATA

Detail for Cat. No. 812



Detail for 832 Series



FOOTLIGHTS

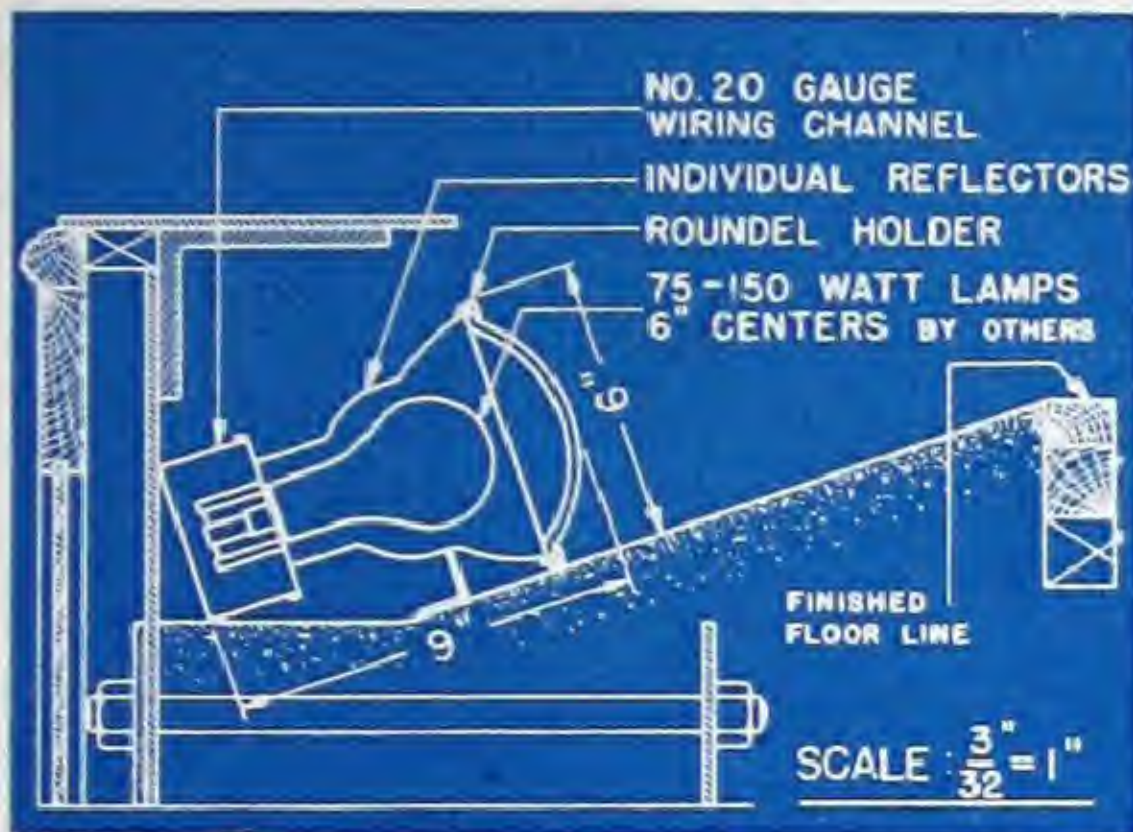
SEMI-OPEN TROUGH

INDIVIDUAL REFLECTOR TYPE

SPRING RING HOLDERS

75-150 Watts — Single Row

Description: Individual reflectors. Wired 6" on centers. Medium screw base receptacles. Color circuits as specified. Heat resisting colored glass roundels. Spring ring holders. Splice box for feed cables.

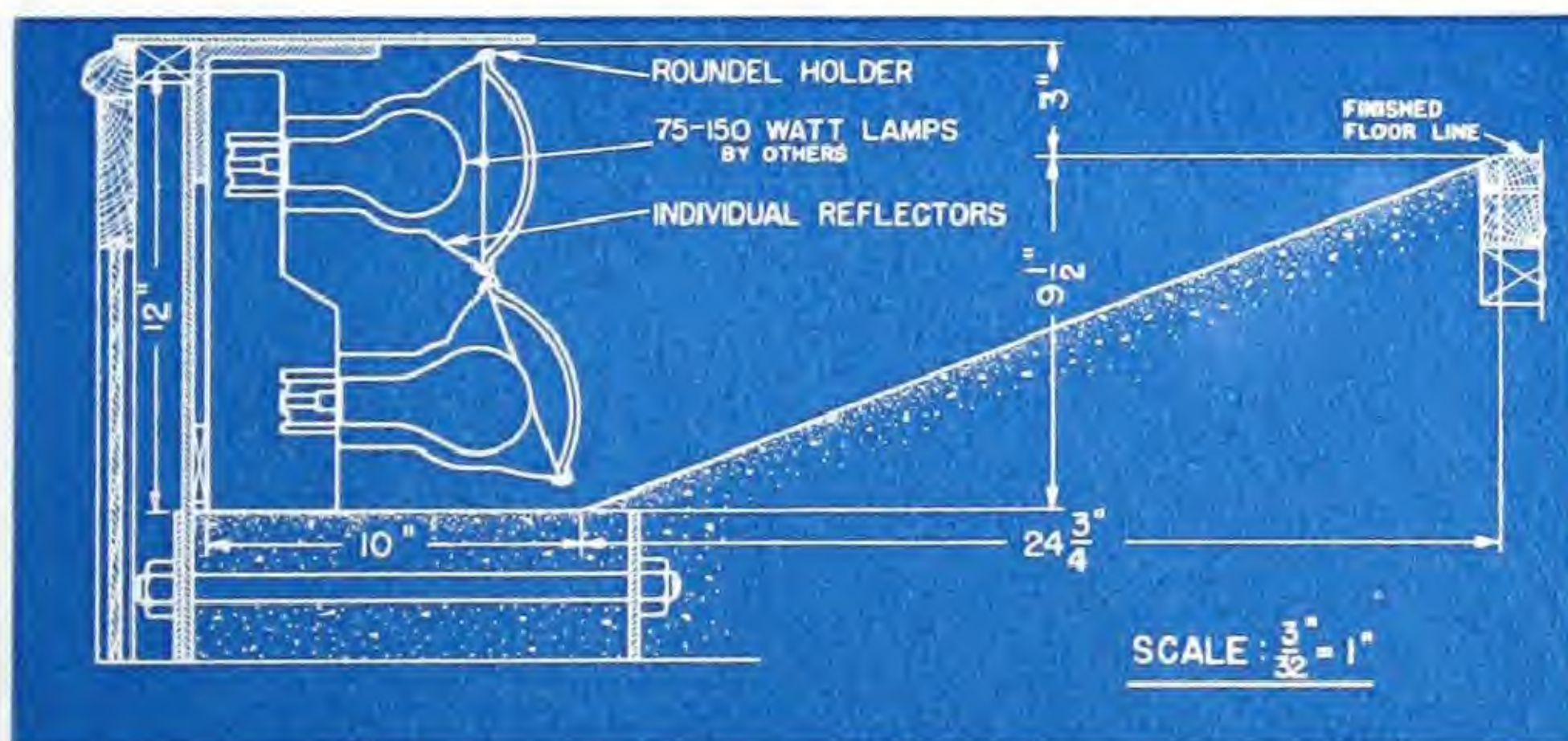


<u>Cat. No.</u>	<u>Type Reflector</u>	<u>List Price Per Foot</u>
860	Alzak	\$8.00
861	Chromium	7.50
862	Aluminum	6.50

Glass roundels available in the following colors: Red, clear, steel, medium and dark blue, green, straw, and amber.

75-150 Watts — Double Row

Description: Individual reflectors. Wired 5" on centers. Medium screw base receptacles. Color circuits as specified. Heat resisting colored glass roundels. Spring ring holders. Splice box for feed cables.



<u>Cat. No.</u>	<u>Type Reflector</u>	<u>List Price Per Foot</u>
823	Chromium	\$14.00
824	Alzak	16.00

Glass roundels available in the following colors: Red, clear, steel, medium and dark blue, green, straw, and amber.

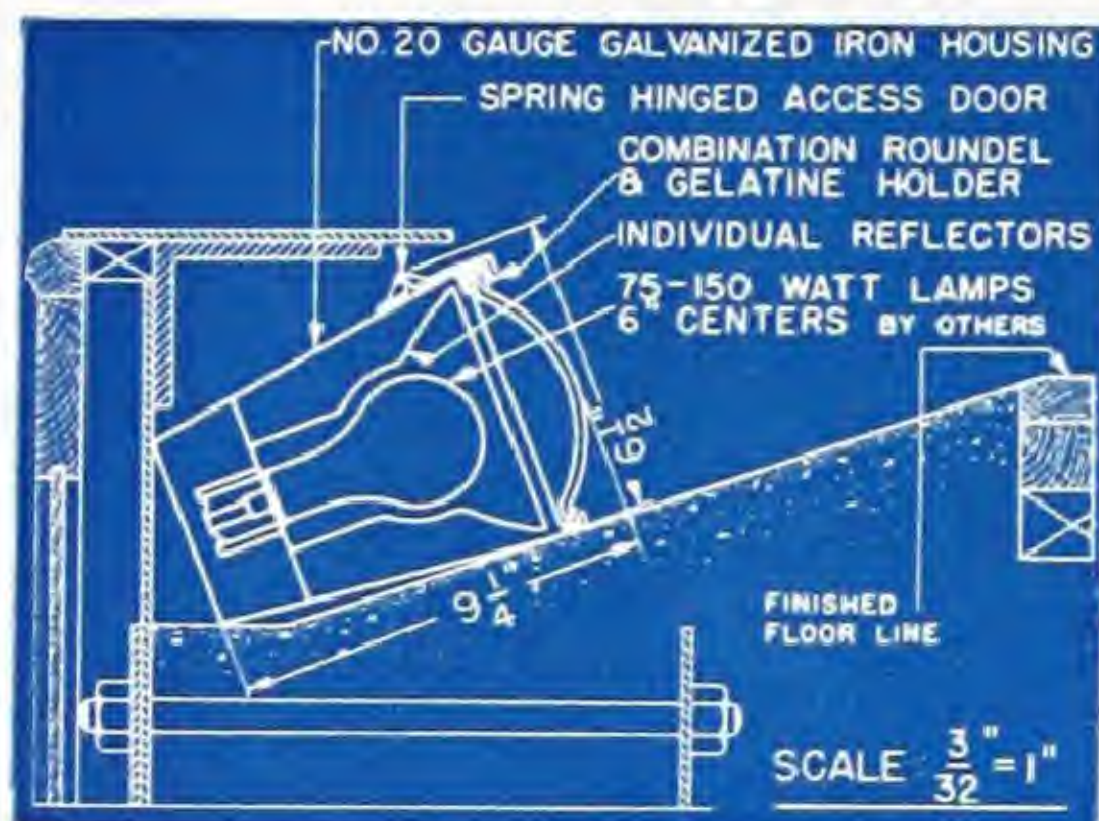
FOOTLIGHTS

SEMI-OPEN TROUGH

INDIVIDUAL REFLECTOR TYPE

COMBINATION FILTER HOLDERS

75-150 Watts — Single Row



Description: Individual reflectors. Wired 6" on centers. Medium screw base receptacles. Color circuits as specified. Heat resisting colored glass roundels. Quick acting positive lock combination holder interchangeable to receive either gelatine or glass. Splice box for feed cables.

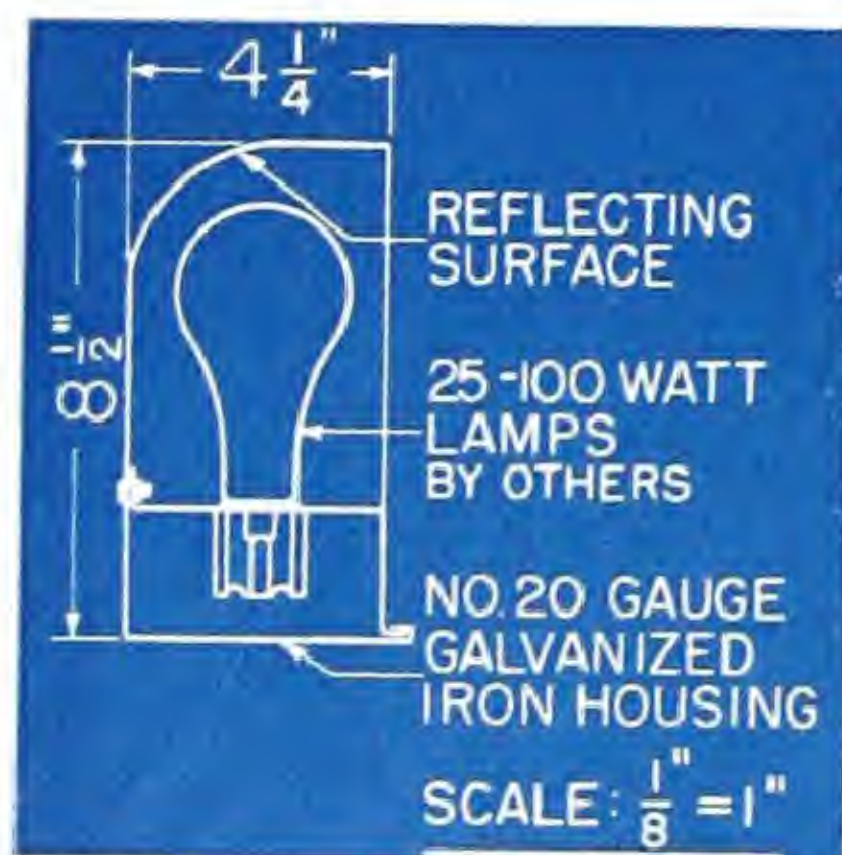


Cat. No.	Type Reflector	List Price Per Foot
808	Aluminum	\$7.50
809	Chromium	8.50
810	Alzak	9.00

SEMI-OPEN TROUGH — CONTINUOUS REFLECTOR TYPE

NO APRON

WITH APRON



Description: Semi-open trough. Continuous reflector strip backing. Wired on centers and color circuits as specified. Medium screw base receptacles. Band iron for reinforcements. Splice box for feed cables.



Cat. No.	Type Reflector	Outlet Centers Inches	Outlet Wattage	List Price Per Foot
800	Non-fade white or aluminum paint	3-4-6	25-100	\$3.10
801	Aluminum stripping	3-4-6	25-100	4.35
802	Chromium stripping	3-4-6	25-100	5.65
803	Alzak stripping	3-4-6	25-100	7.50

For Apron: Include letter "A" and add 5% to list price.



BORDERLIGHTS

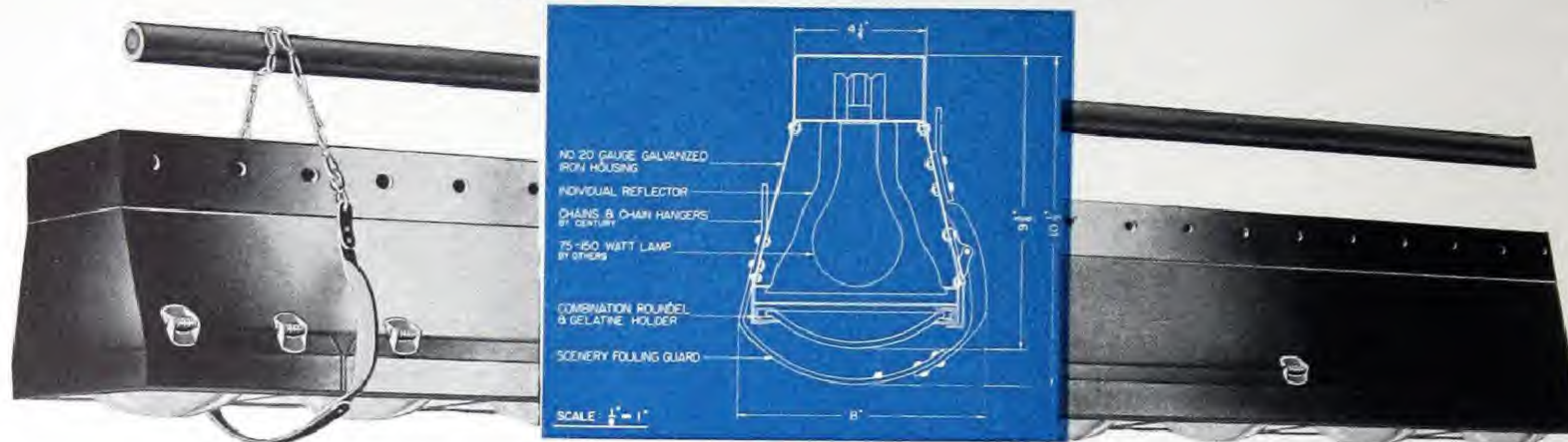
Countless jets of flickering gas strung along in rows behind every available piece of scenery — such is the picture brought to mind by the word, "borderlight". Long after the introduction of electricity, this primitive system of illumination persisted. It was not abandoned until the engineer showed what an efficient reflector could do in directing the light to the acting area. With the development of competent spotlights, the borderlight has become less important as a source of high illumination. It now plays more gracefully its role in the modern theatre. In small sections, the borderlight performs excellently its acquired functions of toning the setting and blending the spotlighting of the acting area.

BORDERLIGHTS

75-150 WATTS

6" ON CENTERS

COMBINATION FILTER HOLDERS



Description: Individual reflectors. Wired 6" on centers. Medium screw base receptacles. Color circuits as specified. Chain hangers. Scenery guards. Heat resisting colored glass roundels. Quick acting positive lock combination holders interchangeable to receive either gelatine or glass. Splice box for feed cables.

Accessories:

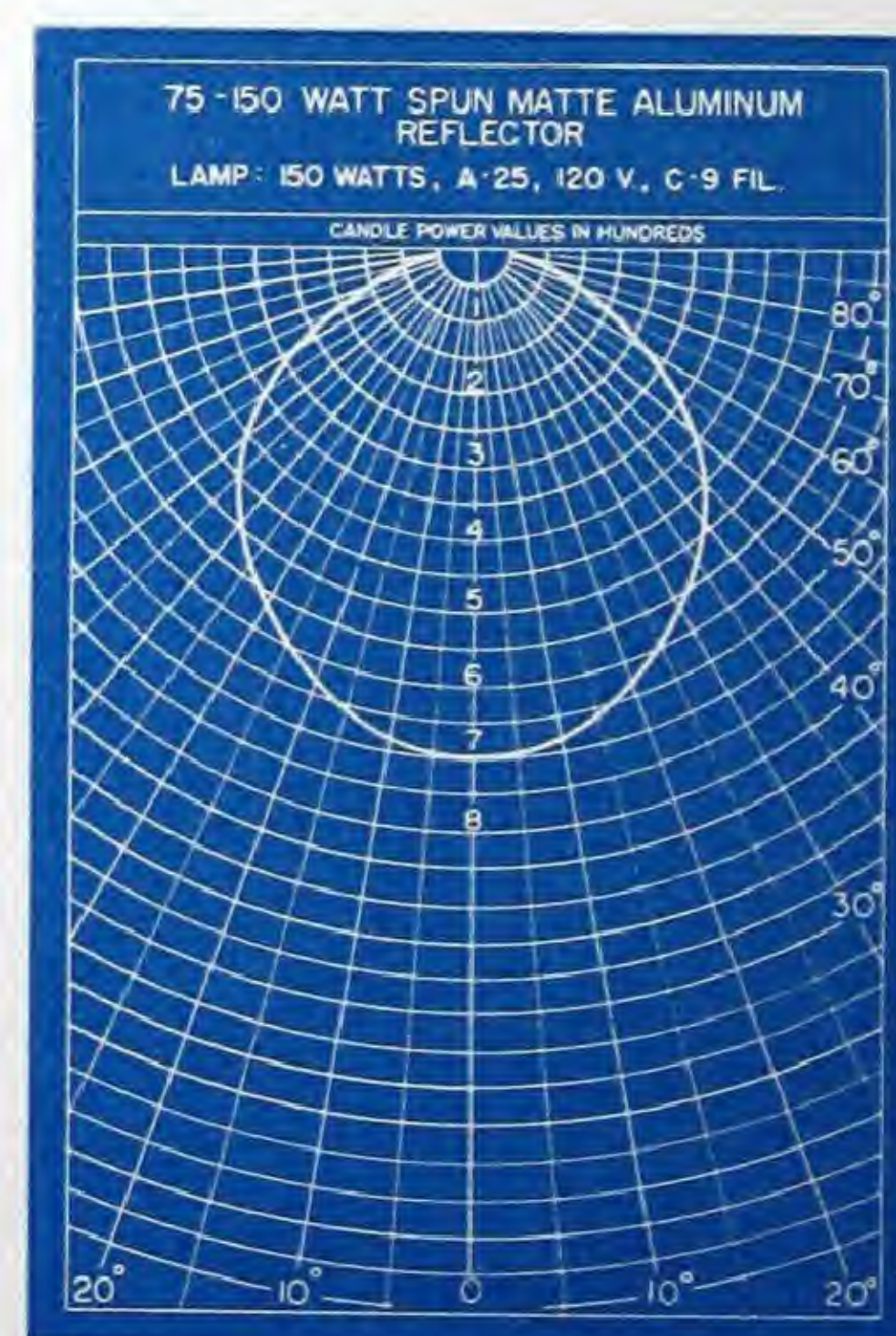
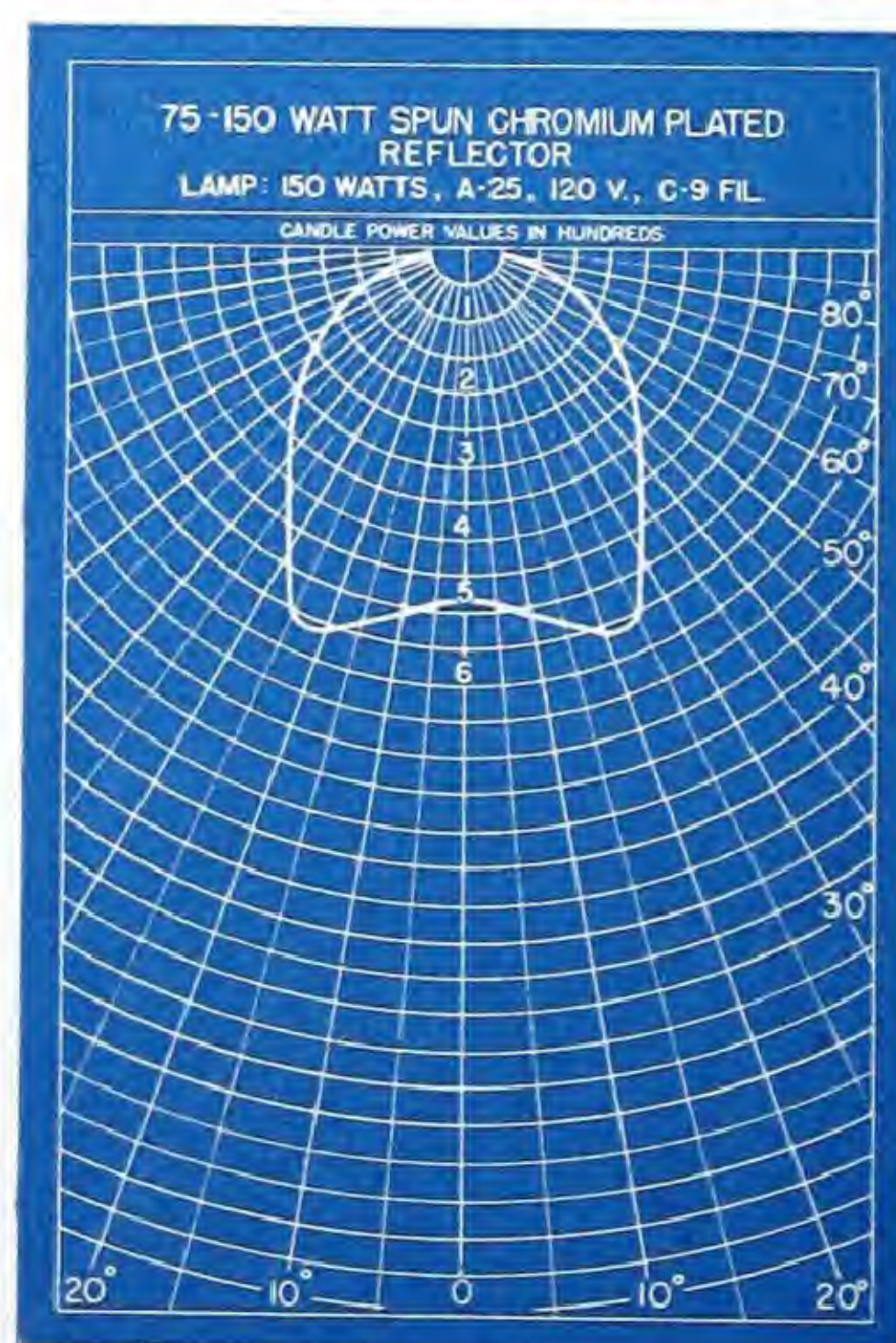
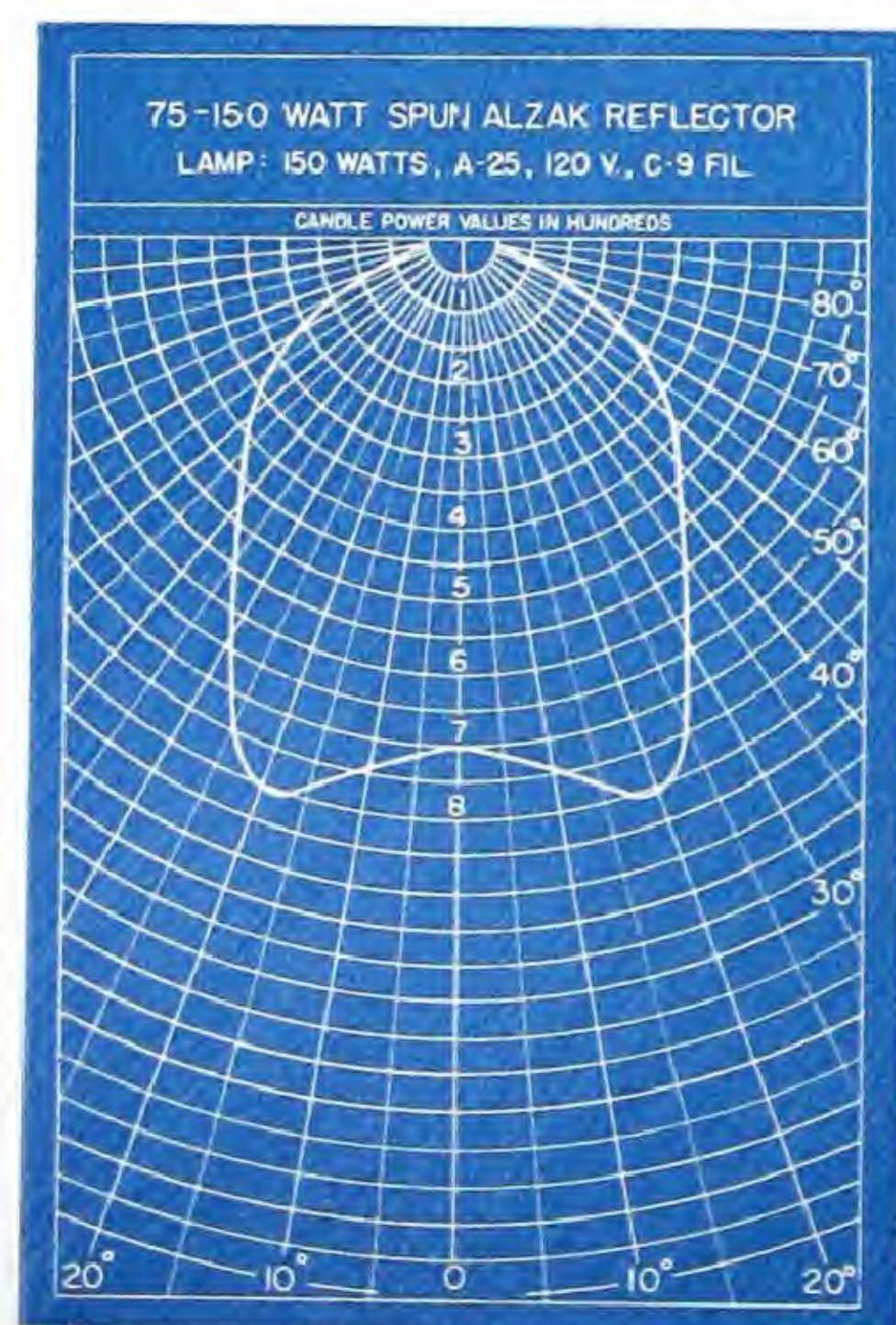
List Price

Heat resisting glass roundels \$1.00
(Colors available: red, clear, steel, medium and dark blue, green, straw, and amber.)

Cat. No.	Type Reflector	List Price Per Foot
411	Alzak	\$8.00
423	Chromium	8.00
441	Aluminum	7.00

Glass and Gelatine combination holder 2.75
Cable clamp and cable cradle, set 7.00
Gelatine mediums (size 19" x 21"), all colors12

DISTRIBUTION CURVES OF REFLECTORS ON THIS PAGE

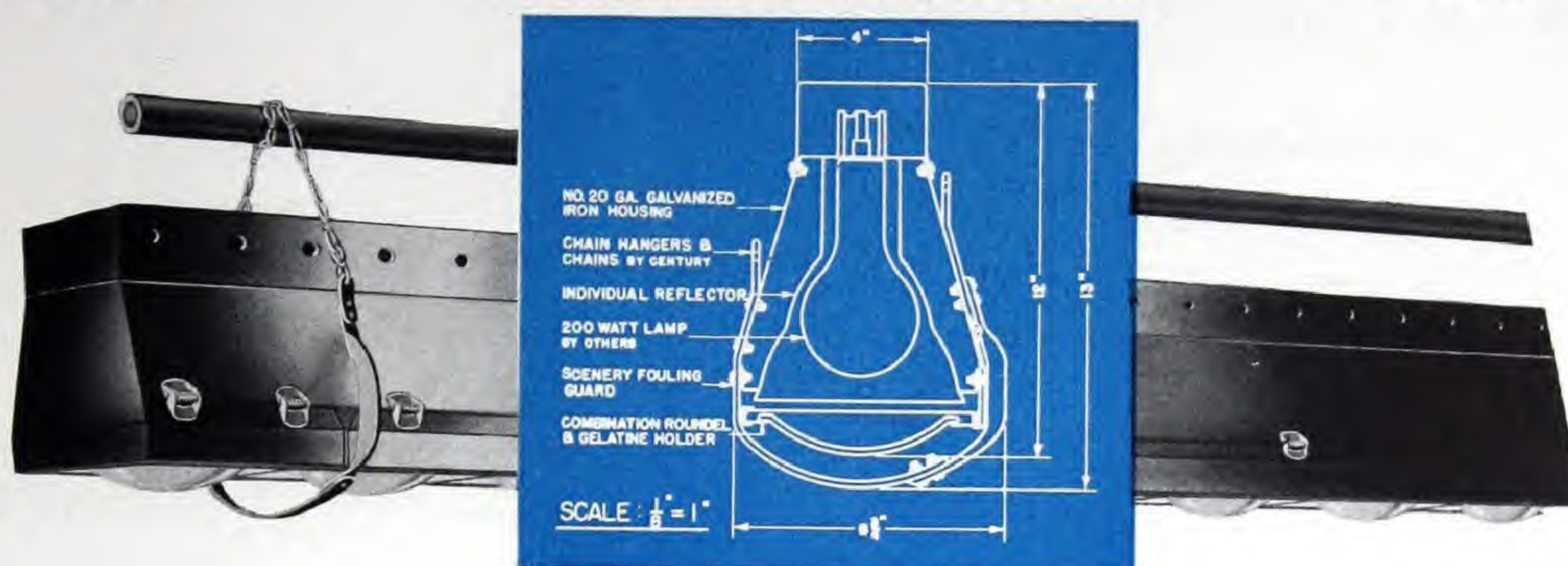


BORDERLIGHTS

200 WATTS

COMBINATION FILTER HOLDERS

8" ON CENTERS



Description: Individual reflectors. Wired 8" on centers, minimum, (10" or 12" choice). Medium screw base receptacles. Color circuits as specified. Chain hangers. Scenery guards. Heat resisting colored glass roundels. Quick acting positive lock combination holder interchangeable to receive either gelatine or glass. Splice or glass. Splice box for feed cables.

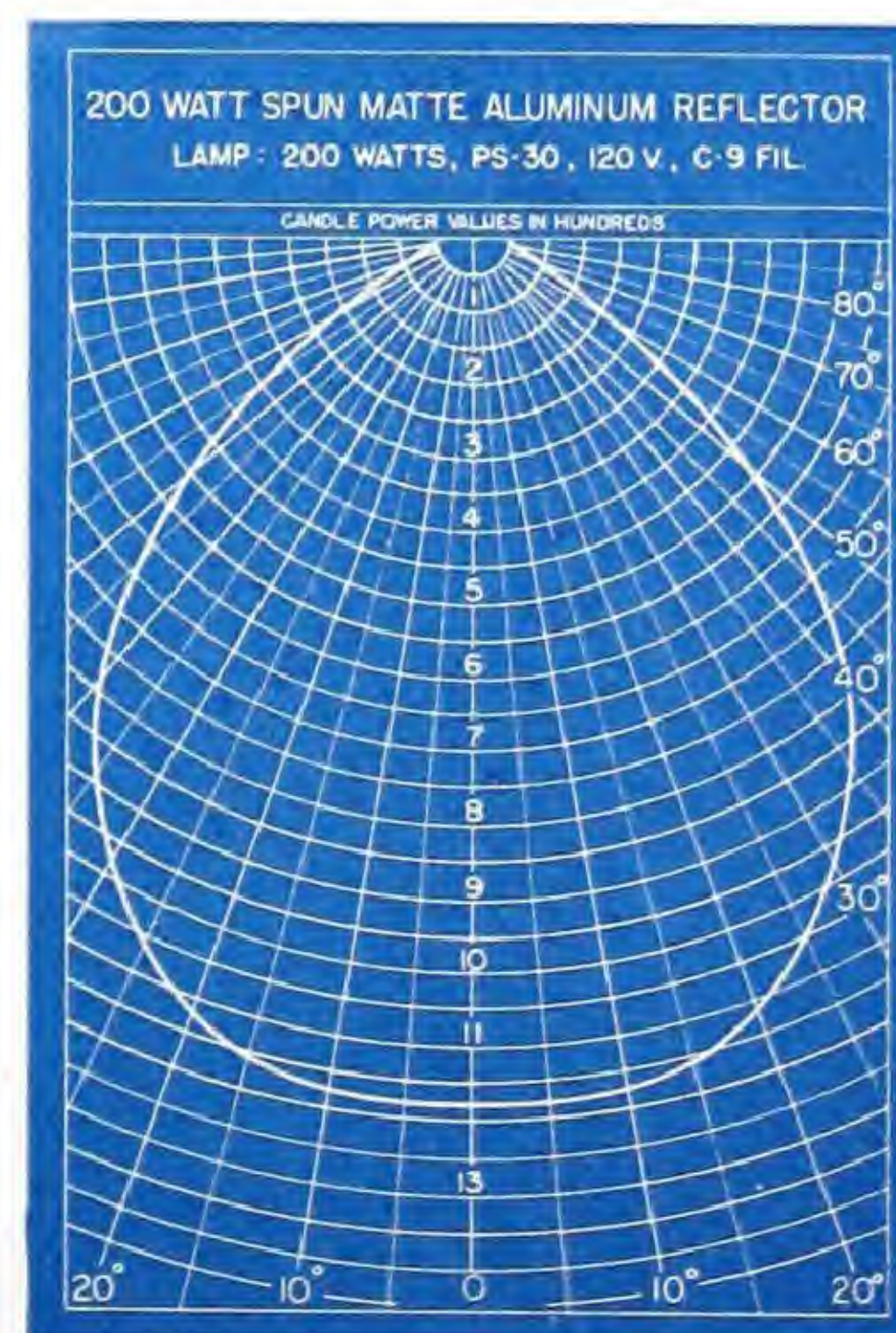
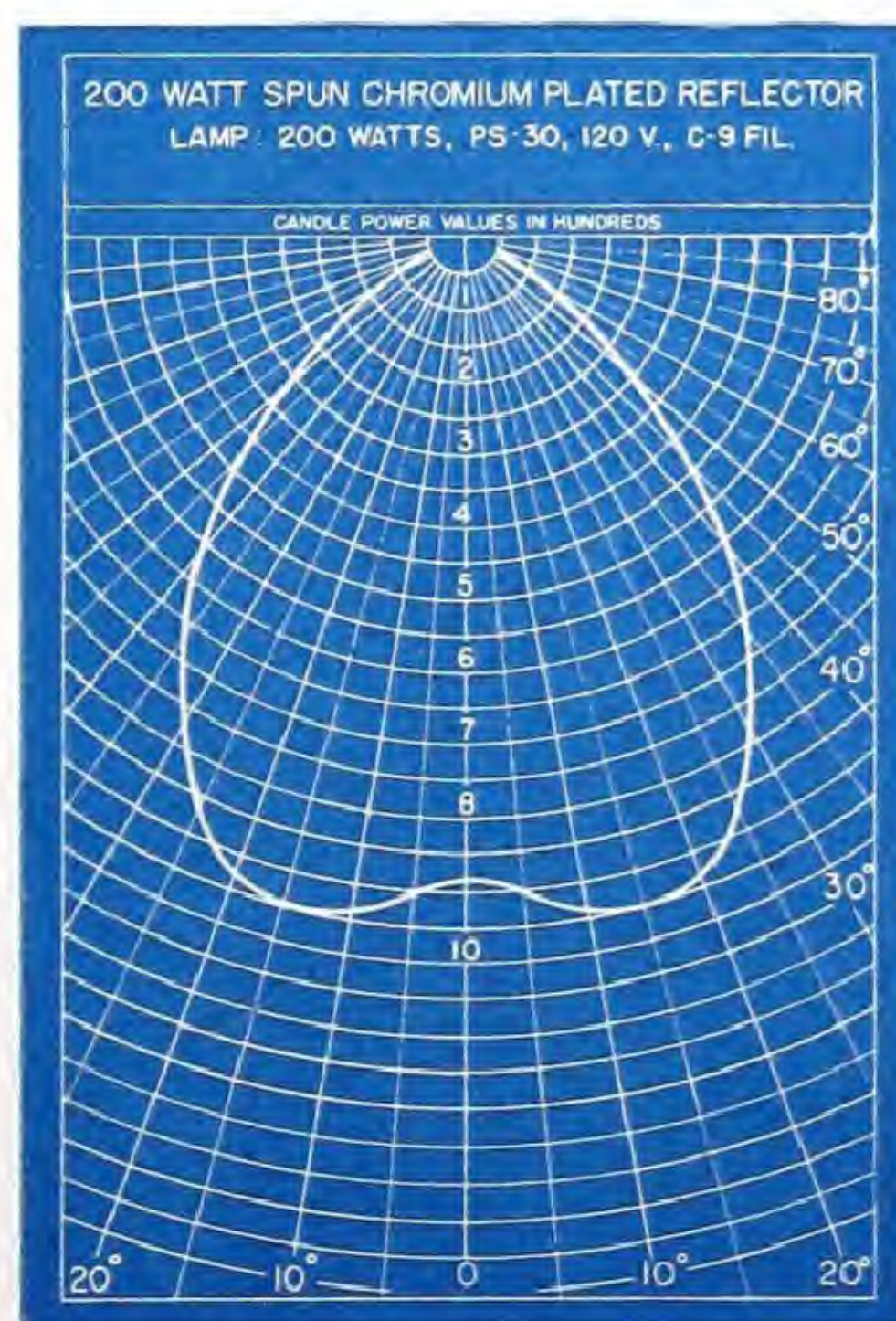
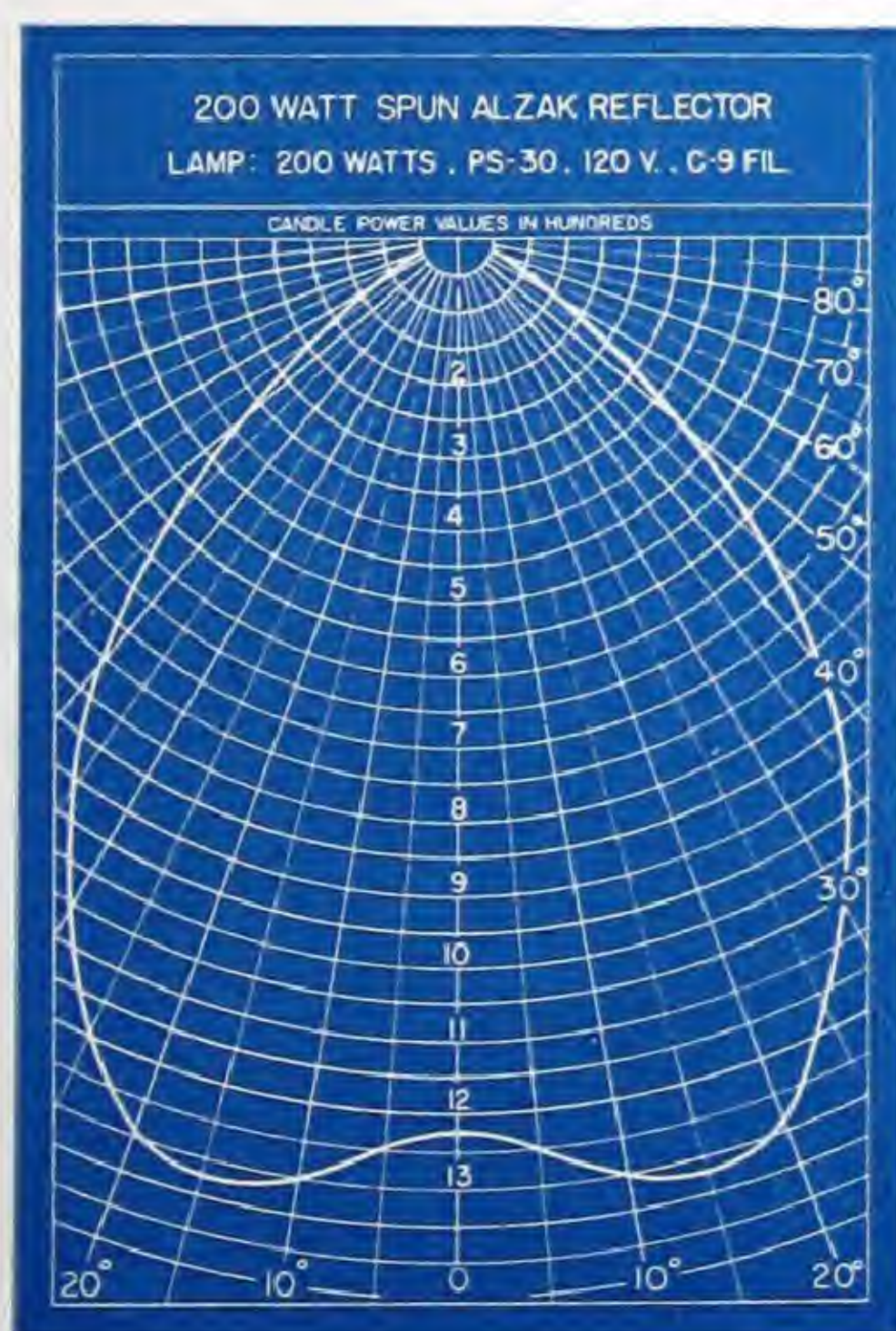
Cat. No.	Type Reflector	List Price Per Foot
413	Alzak	\$9.00
424	Chromium	9.00
442	Aluminum	8.00

Accessories:

List Price

Heat resisting glass roundels	\$1.75
(Color available: red, clear, steel, medium and dark blue, green, straw, and amber.)	
Glass and Gelatine combination holder	3.00
Cable clamp and cable cradle, set	7.00
Gelatine mediums (size 19" x 21"), all colors .....	.12

DISTRIBUTION CURVES OF REFLECTORS ON THIS PAGE



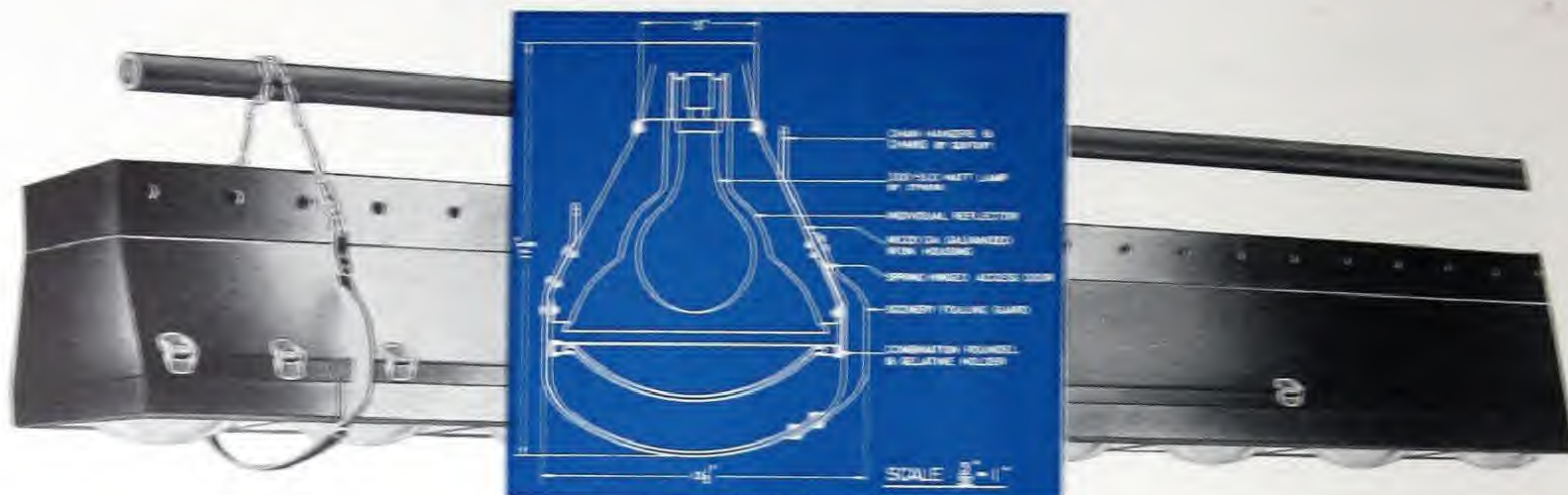


BORDERLIGHTS

300-500 WATTS

12" ON CENTERS

COMBINATION FILTER HOLDERS



Descriptive: Individual reflectors, Wired 12" on centers. Magn screw base receptacles. Color circles as specified. Chain hangers. Scenery guards. Heat resisting colored glass roundels. Quick acting positive lock combination holder interchangeable to receive either gelatine or glass. Splice box for feed cables.

Accessories:

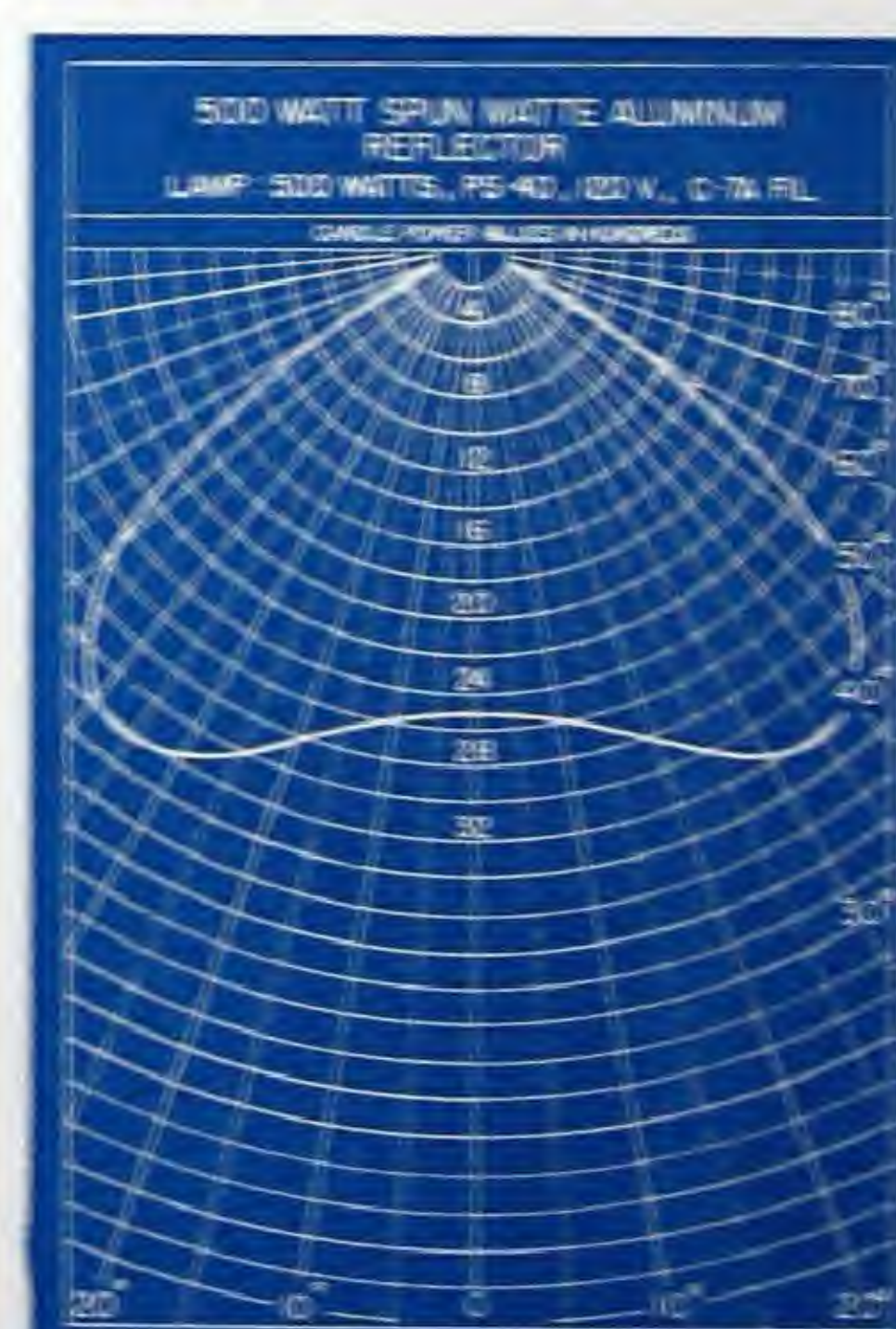
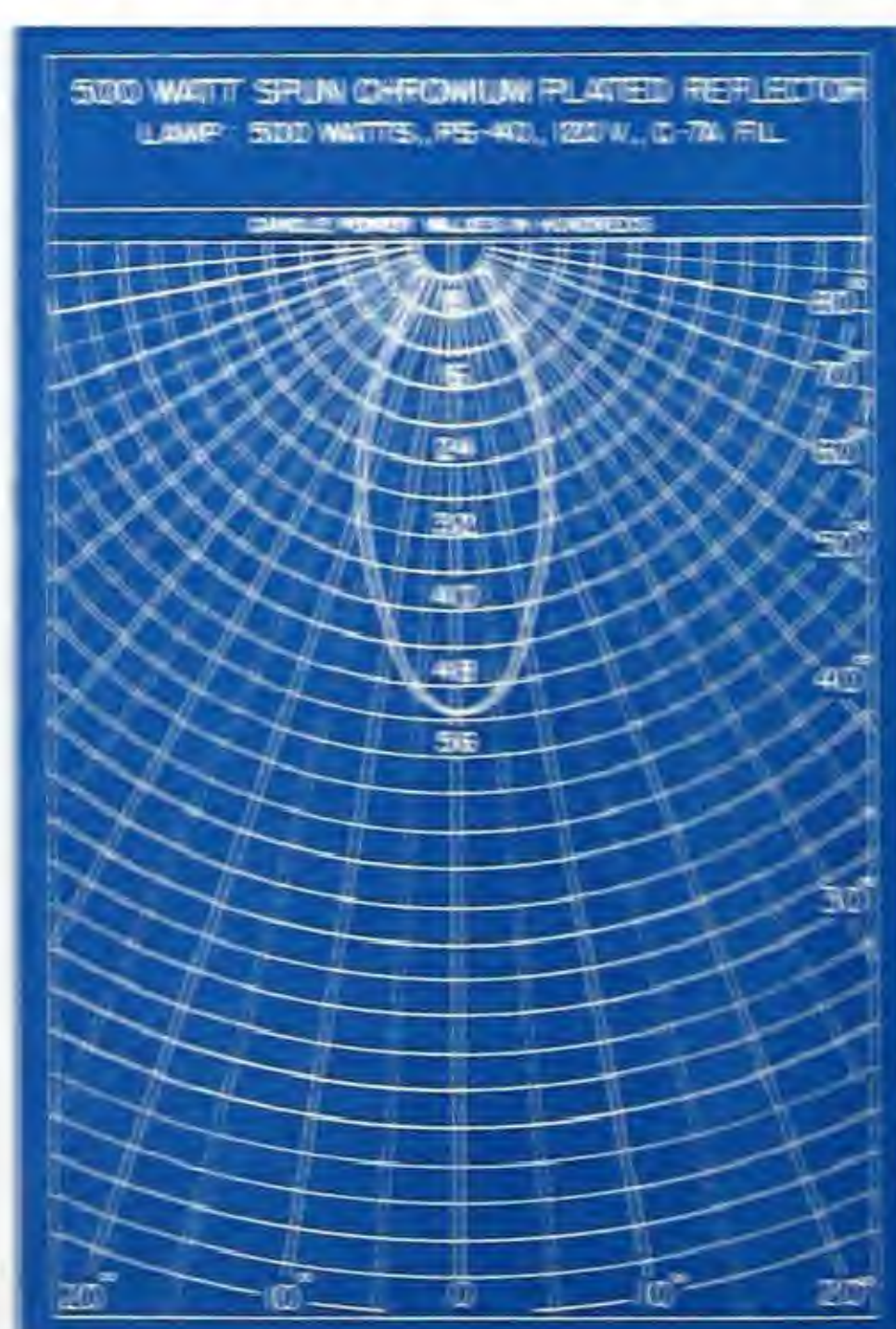
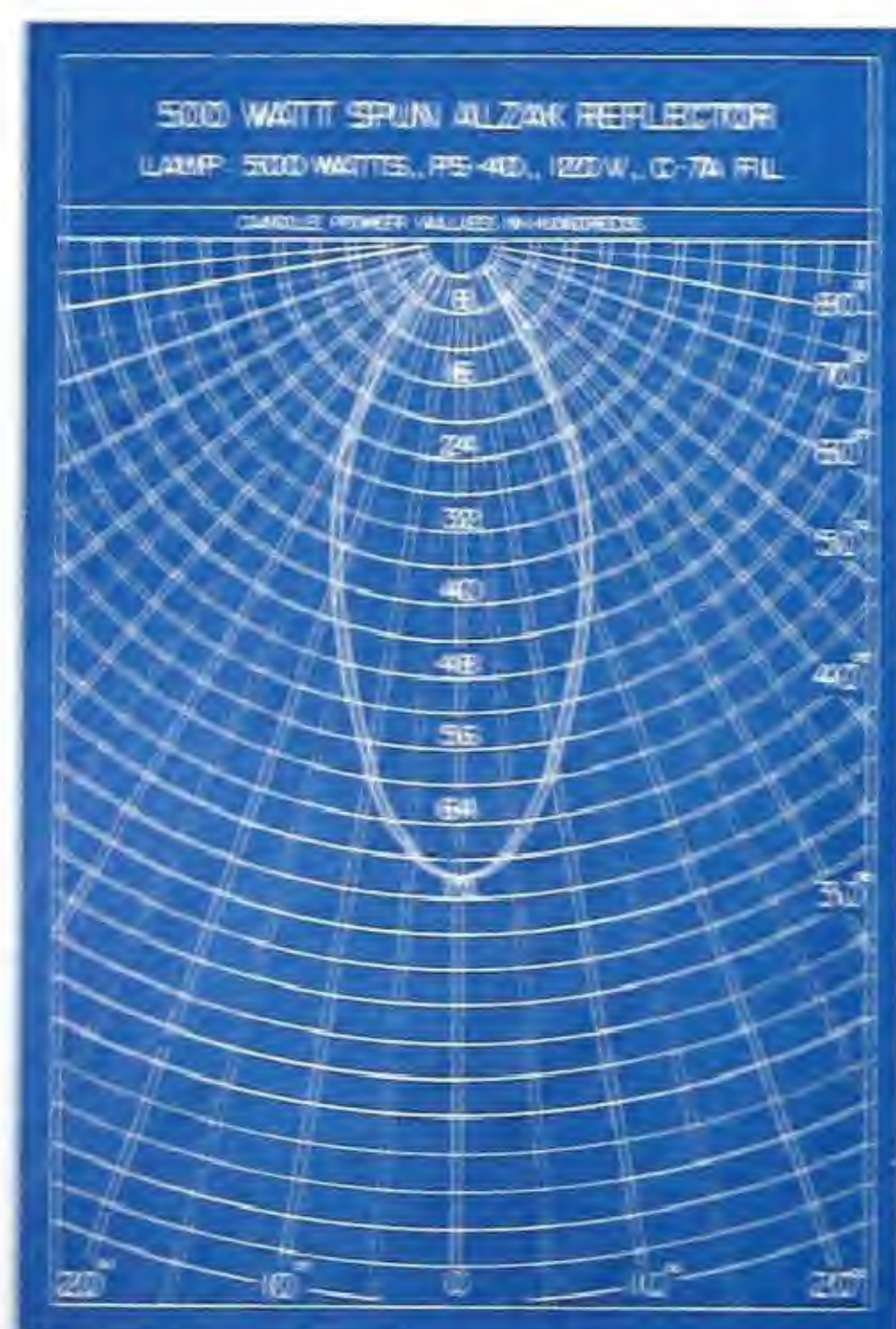
List Price

Heat resisting glass roundels \$3.00
(Colors available: red, clear, steel, medium and dark olive, green, straw, and amber.)

Cart. No.	Type Reflector	List Price Per Foot
414	Alzak	\$10.00
425	Chromium	10.00
443	Aluminum	9.00

Glass and Gelatine combination holder	3.50
Cable clamp and cable cradle, set	7.00
Gelatine mediums (size 19" x 21"), all colors .....	.12

DISTRIBUTION CURVES OF REFLECTORS ON THIS PAGE



CENTURY LIGHTING INC., 419 WEST 55th STREET, NEW YORK

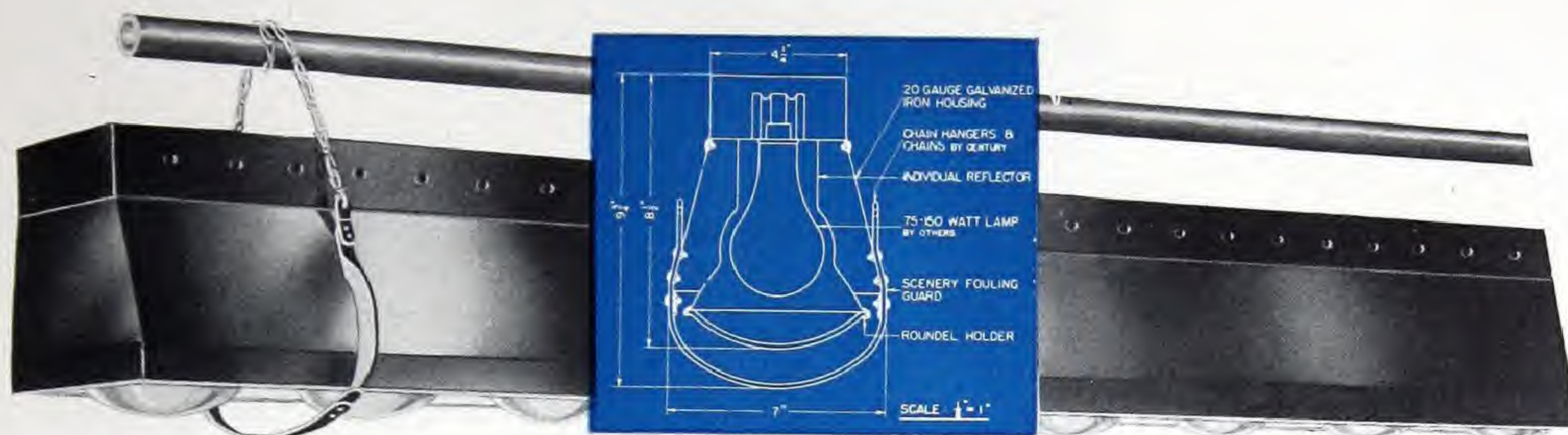


BORDERLIGHTS

75-150 WATTS

6" ON CENTERS

SPRING RING HOLDERS



Description: Individual reflectors. Wired 6" on centers. Medium screw base receptacles. Color circuits as specified. Chain hangers. Scenery guards. Heat resisting colored glass roundels. Spring ring holders. Splice box for feed cables.

Cat. No.	Type Reflector	List Price Per Foot
450	Alzak	\$7.00
451	Chromium	7.00
452	Aluminum	6.00

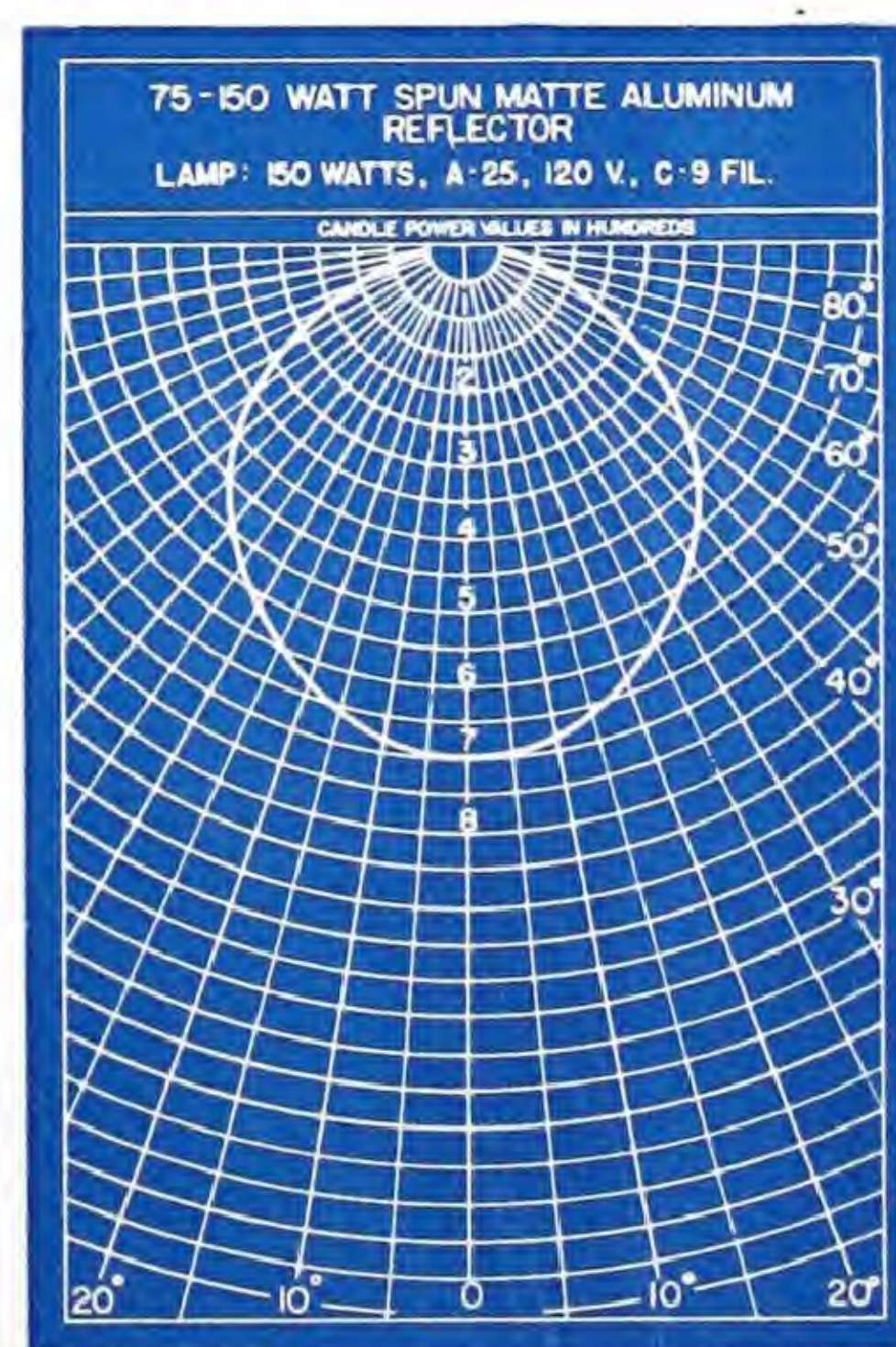
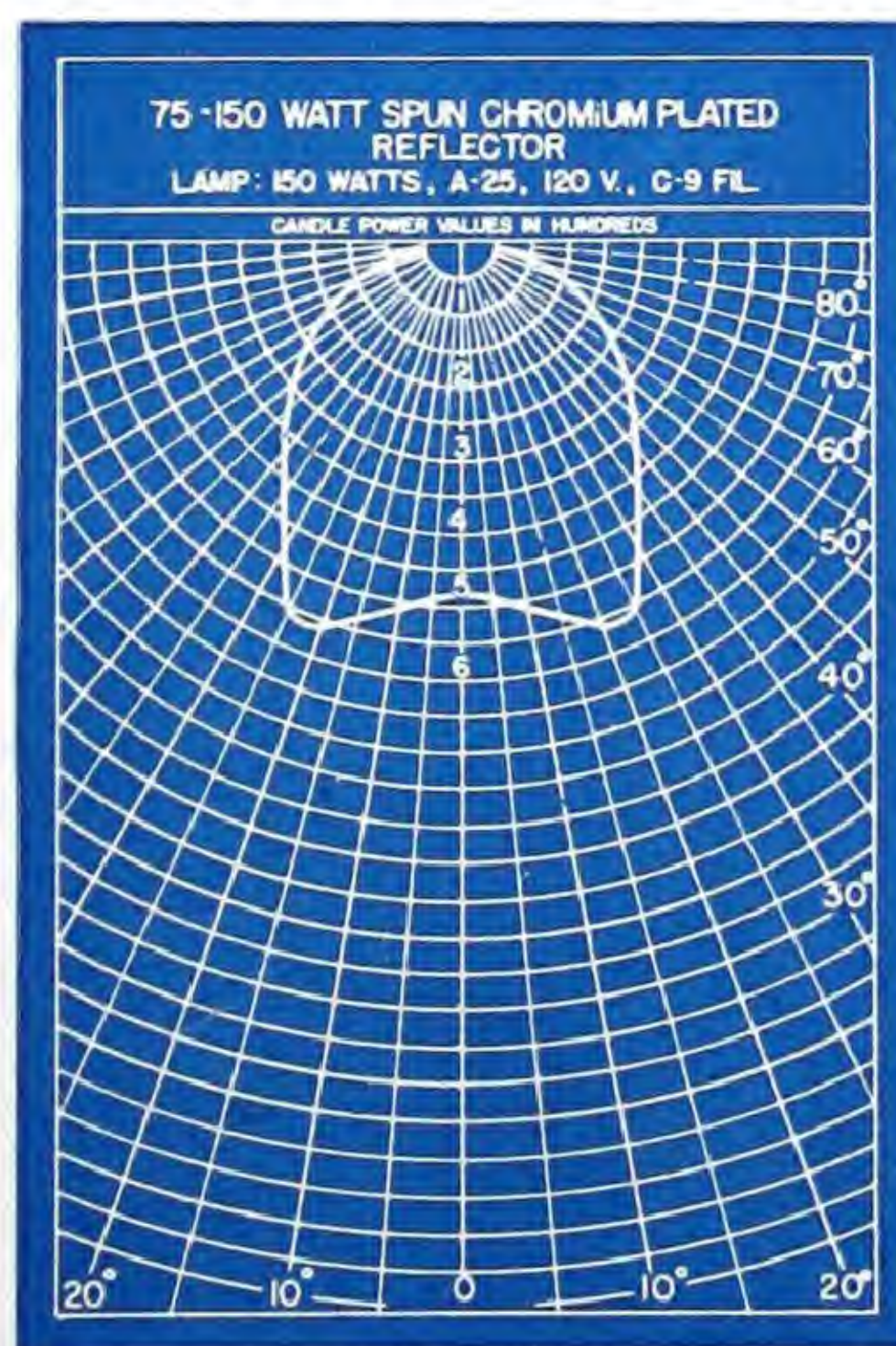
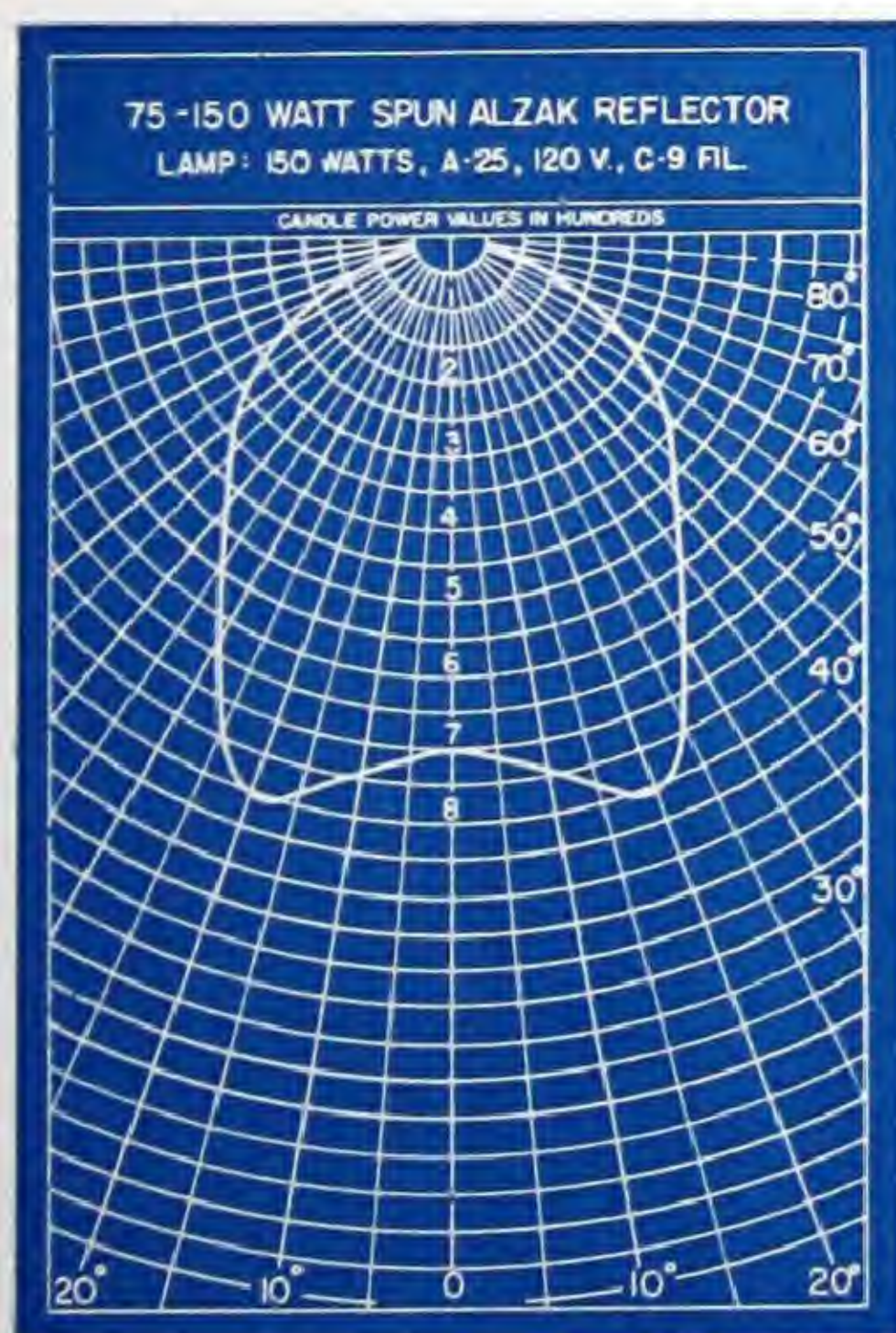
Accessories:

Heat resisting glass roundels \$1.00
(Colors available: red, clear, steel, medium and dark blue, green, straw, and amber.)

Spring Ring Holder50

Cable clamp and cable cradle, set 7.00

DISTRIBUTION CURVES OF REFLECTORS ON THIS PAGE

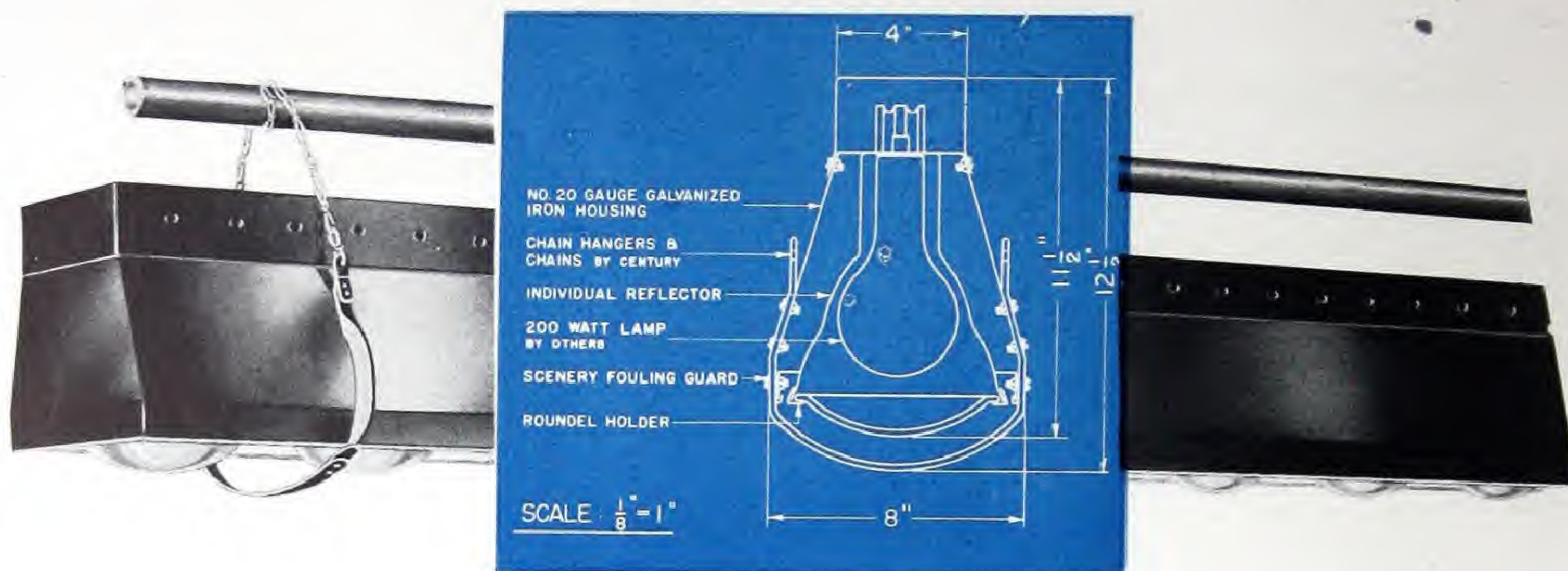


BORDERLIGHTS

200 WATTS

8" ON CENTERS

SPRING RING HOLDERS



Description: Individual reflectors. Wired 8" on centers, minimum, (10" x 12" choice). Medium screw base receptacles. Color circuits as specified. Chain hangers. Scenery guards. Heat resisting colored glass roundels. Spring ring holders. Splice box for feed cables.

Cat. No.	Type Reflector	List Price Per Foot
455	Alzak	\$8.00
456	Chromium	8.00
457	Aluminum	7.00

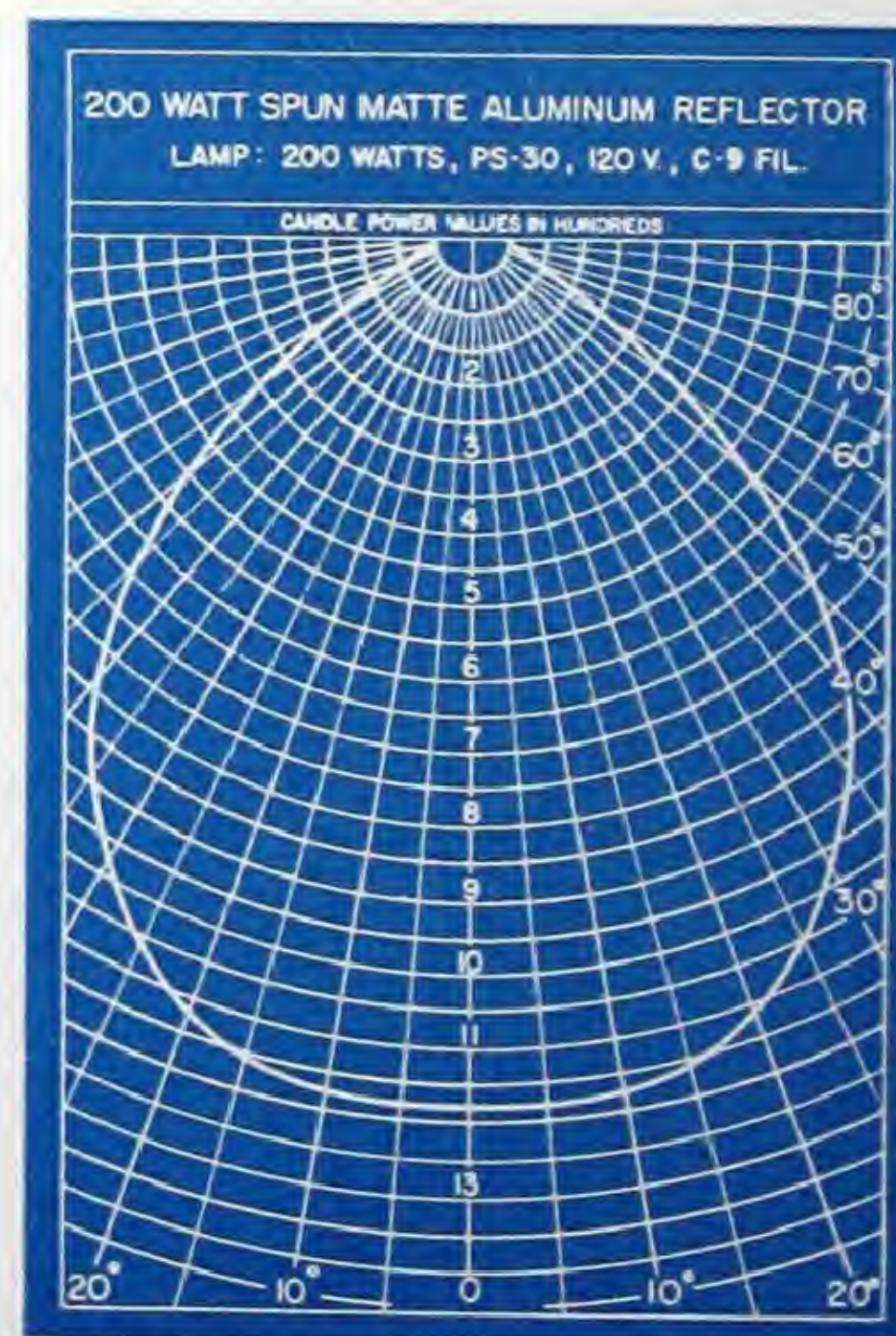
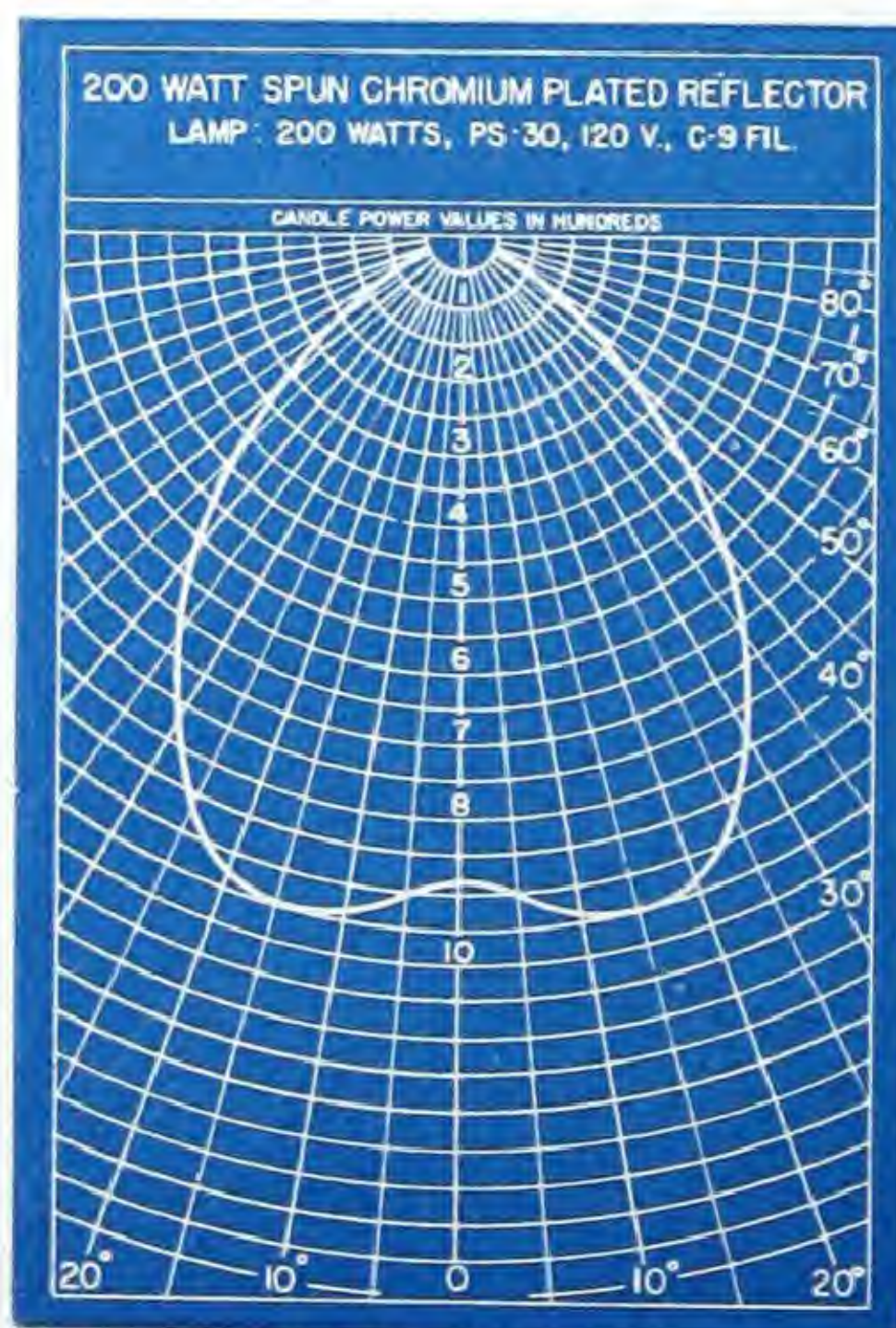
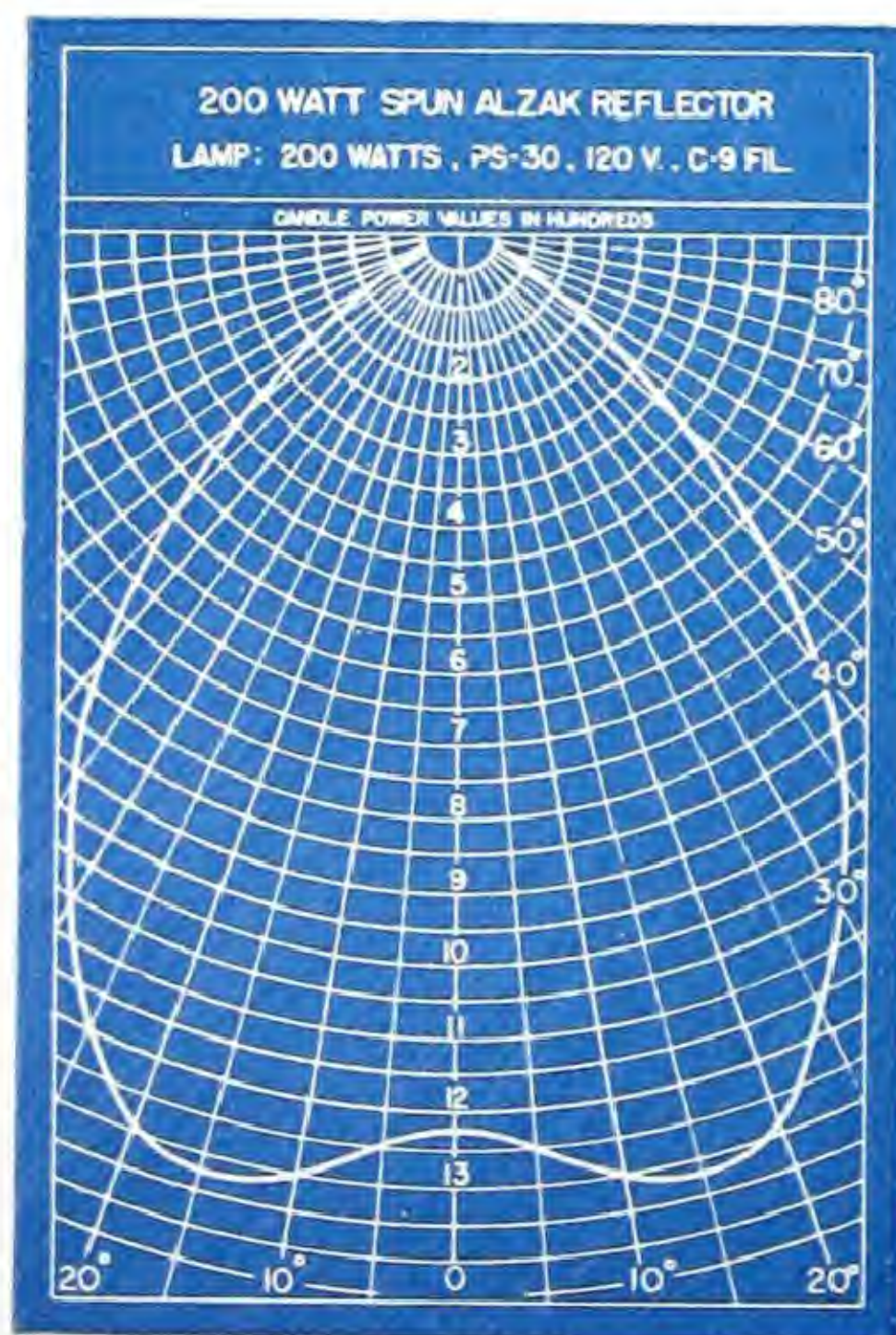
Accessories

Heat resisting glass roundels **\$1.75**
(Colors available: red, clear, steel, medium and dark blue, green, straw, and amber.)

Spring Ring Holder **.75**

Cable clamp and cable cradle, set **7.00**

DISTRIBUTION CURVES OF REFLECTORS ON THIS PAGE

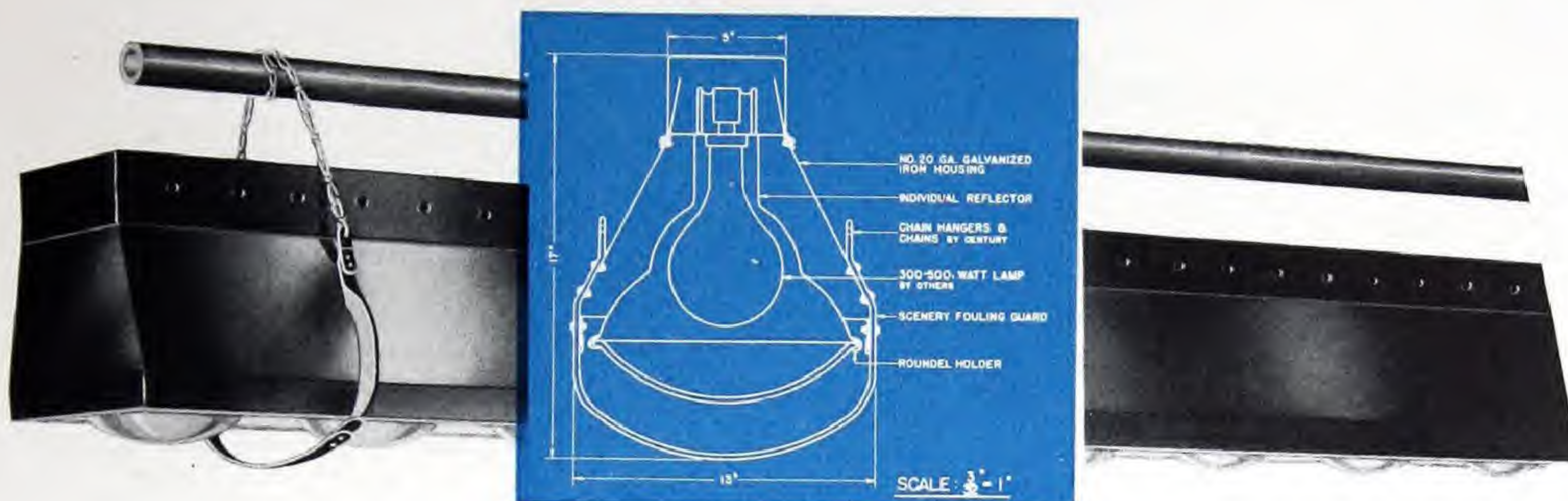


BORDERLIGHTS

300-500 WATTS

12" ON CENTERS

SPRING RING HOLDERS



Description: Individual reflectors. Wired 12" on centers. Mogul screw base receptacles. Color circuits as specified. Chain hangers. Scenery guards. Heat resisting colored glass roundels. Spring ring holders. Splice box for feed cables.

Cat. No.	Type Reflector	List Price Per Foot
460	Alzak	\$9.00
461	Chromium	9.00
462	Aluminum	8.00

Accessories:

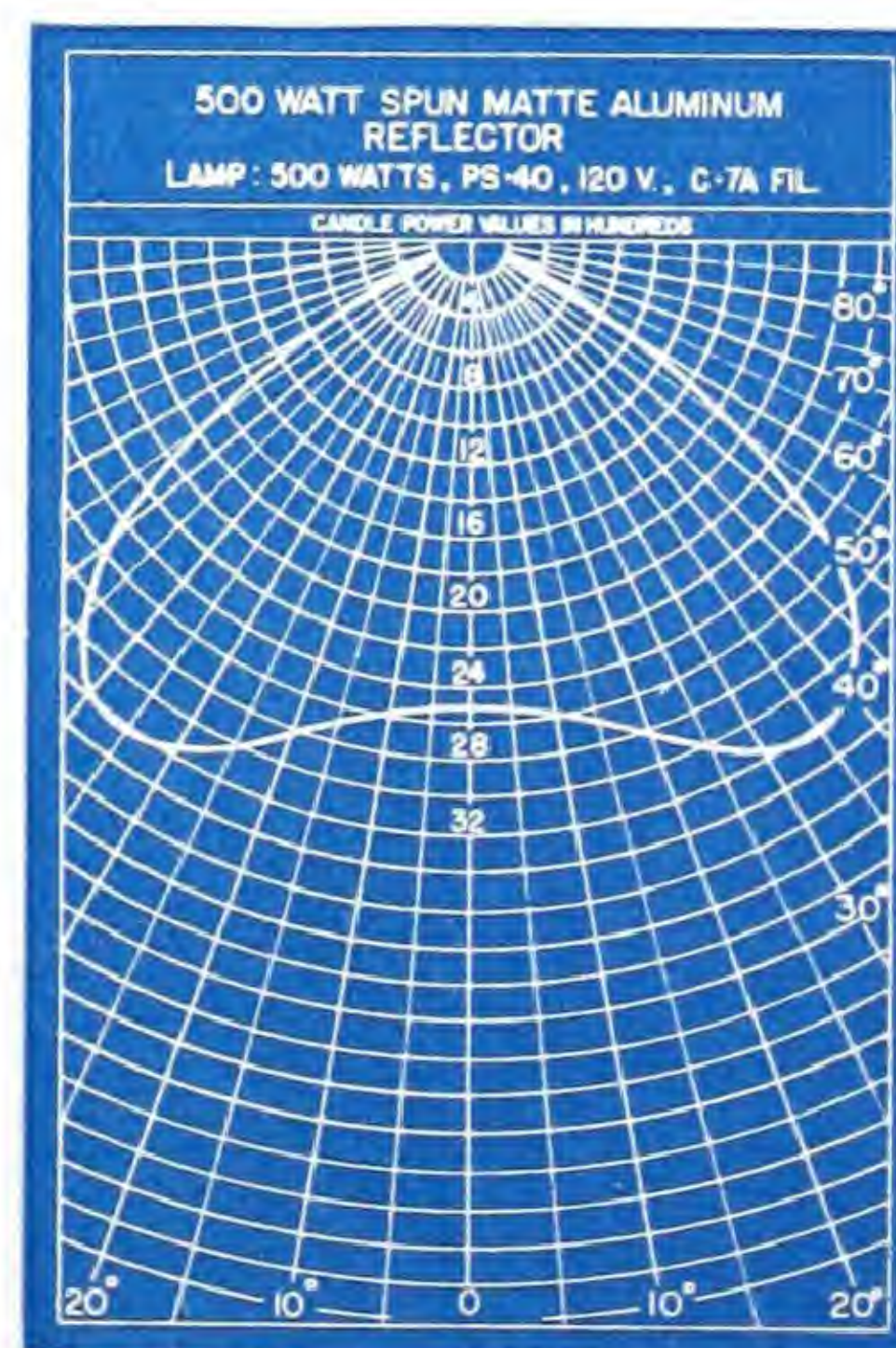
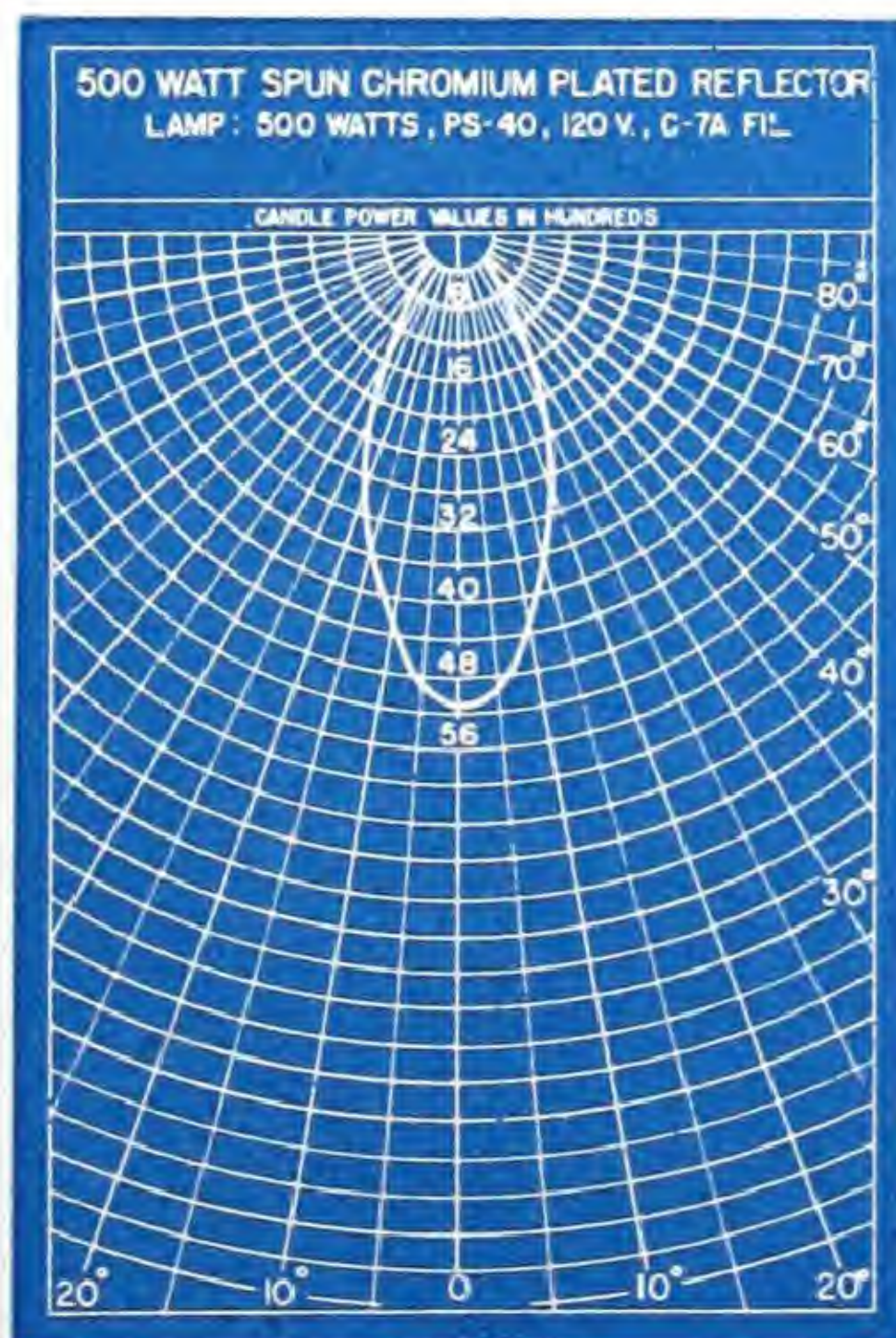
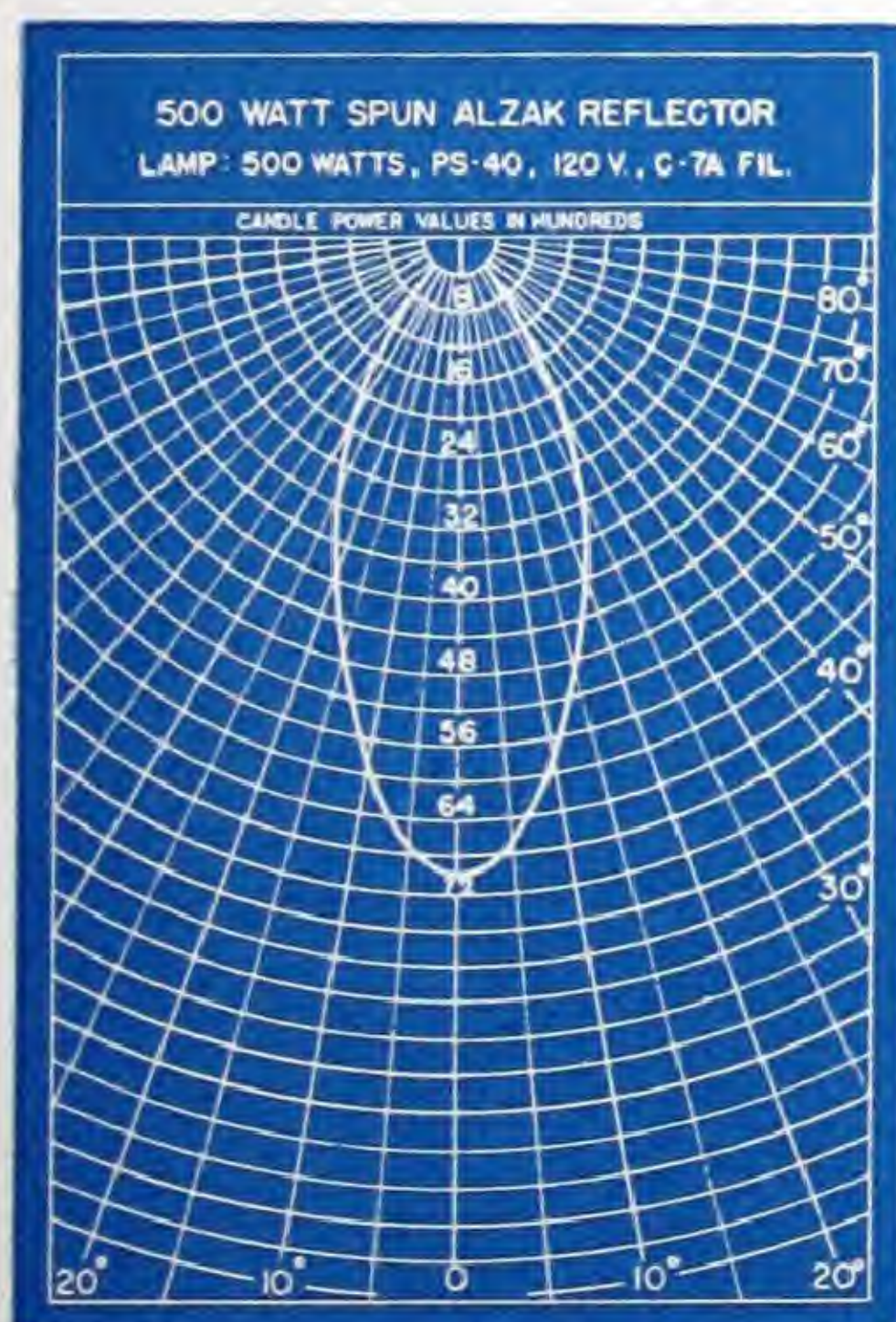
List Price

Heat resisting glass roundels \$3.00
(Colors available: red, clear, steel, medium and dark blue, green, straw, and amber.)

Spring Ring Holder75

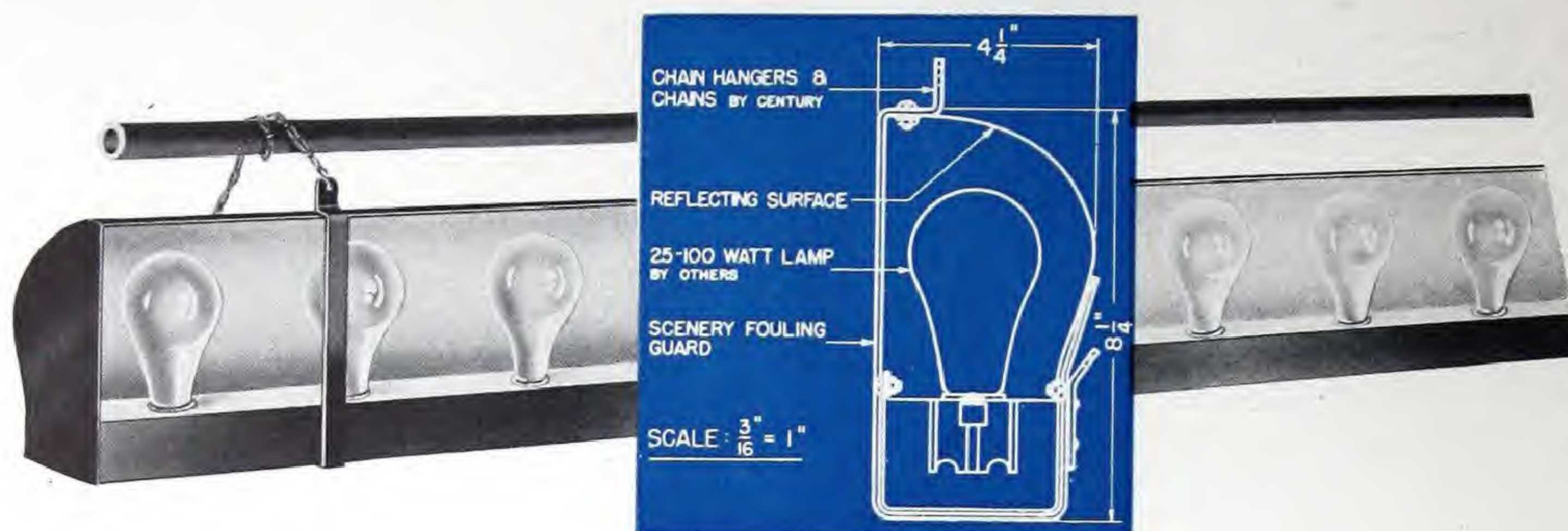
Cable clamp and cable cradle, set 7.00

DISTRIBUTION CURVES OF REFLECTORS ON THIS PAGE



BORDERLIGHTS

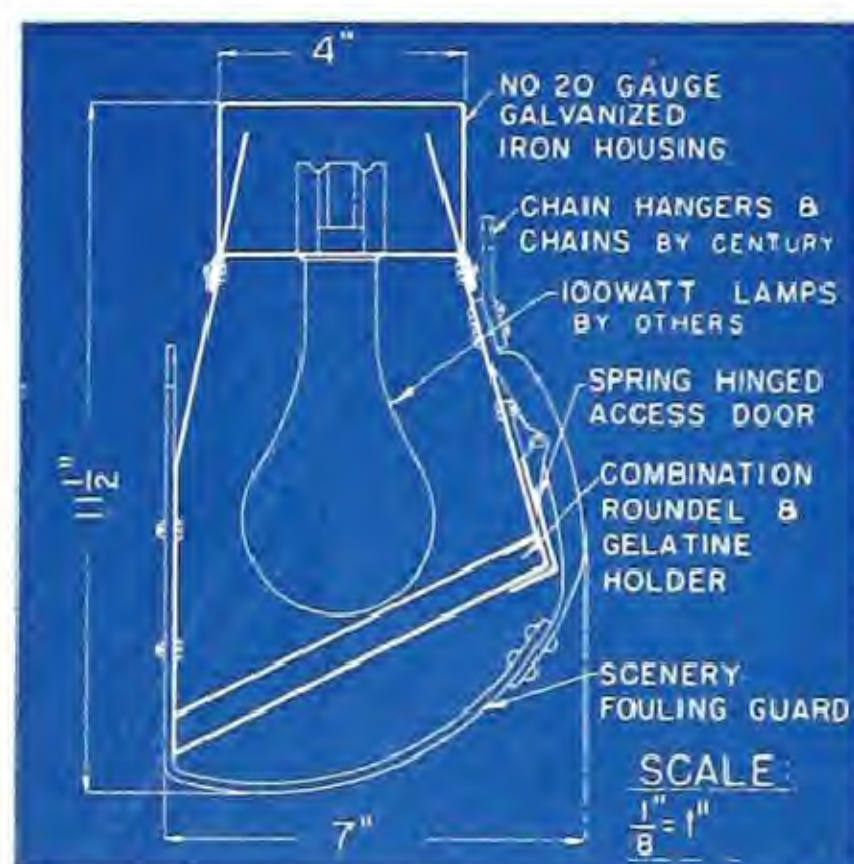
CONTINUOUS REFLECTOR TYPE



Description: Semi-open trough. Continuous reflector strip backing. Wired on centers and color circuits as specified. Medium screw base receptacles. Equipped with chain hangers, scenery guards, band iron for reinforcements, splice box for feed cables.

Cat. No.	Type Reflector	List Price Per Foot
400	Non-fade white or aluminum paint	\$3.10
401	Matte aluminum stripping	4.35
402	Chromium plated stripping	5.65
403	Alzak aluminum stripping	7.50

COMPARTMENT TYPE



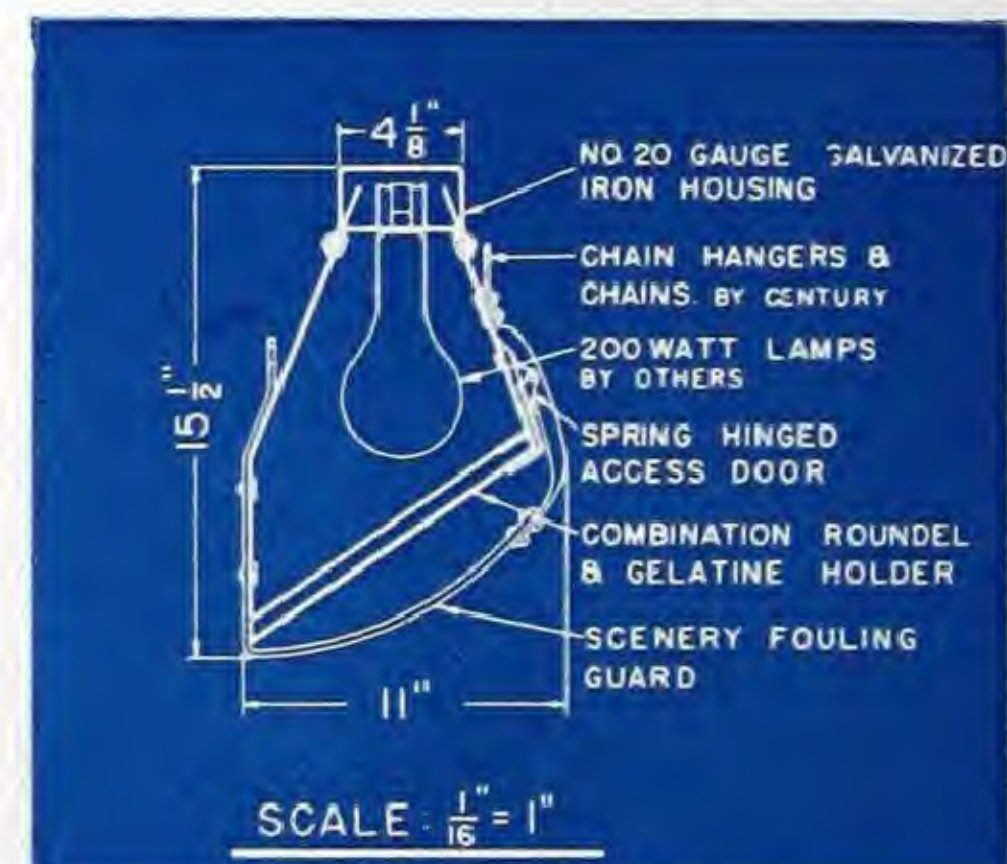
100-150 Watt — 6" Centers

Cat. No. 406 1/2

List Priceper foot \$5.00



Description: Individual compartments. Non-fade white paint reflecting surface. Wired on centers and color circuits as specified. Medium screw base receptacles. Equipped with chain hangers, scenery guards, gelatine medium metal holders, splice box for feed cables.



200 Watt — 8" Centers (minimum)

Cat. No. 406

List Priceper foot \$5.00

COVELIGHTS

Covelights trace their ancestry to the border light and the earlier rows of small sources. They maintain an important place in many lighting layouts. The covelight is now a compact, efficient row of small lamps. It is used to light—in any color, tint or shade—coves, niches, and the like, with an even, shadowless illumination.

COVELIGHTS

Reflecting Surfaces Available: Non-Fade Paint, Chromium, or Alzak stripping. State which type.

FOR LUMILINE LAMPS
30 to 60 Watts

FOR A and T TYPE LAMPS
15 to 100 Watts

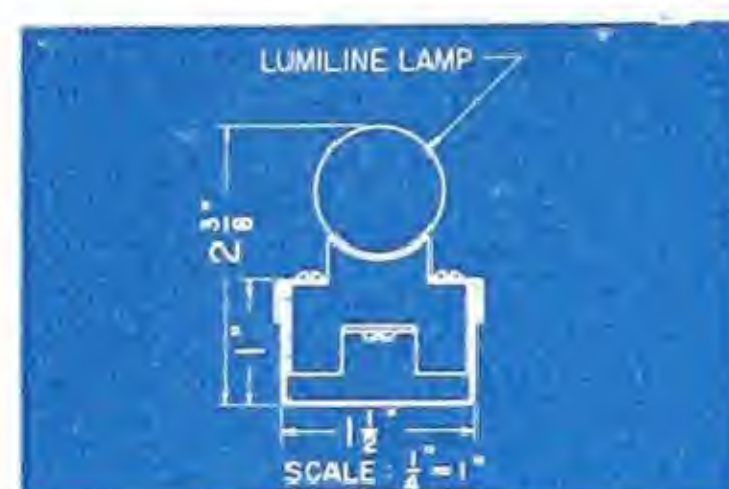
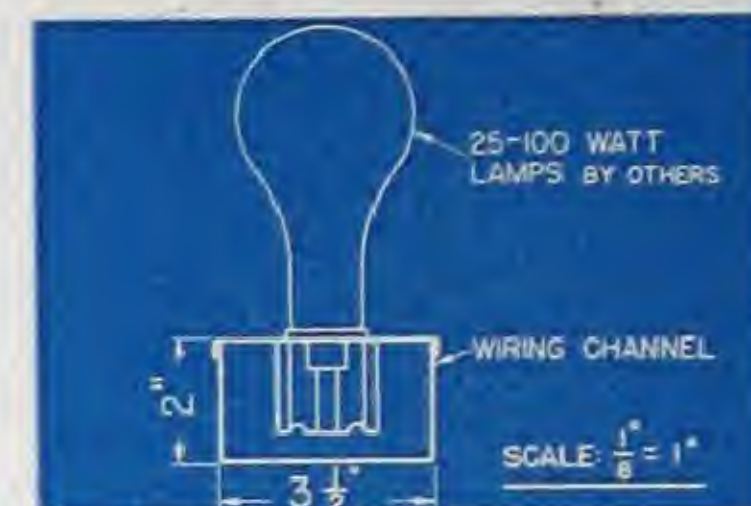


Cat. No. 1940

Skeleton type
Wide base wiring channel
12" or 18" centers

Cat. No. 1900

Skeleton type
Color circuits as specified
Straight or curved
A type lamp

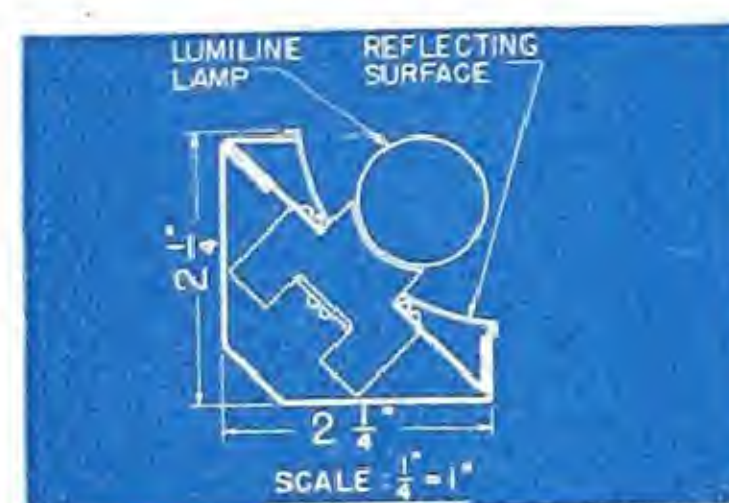
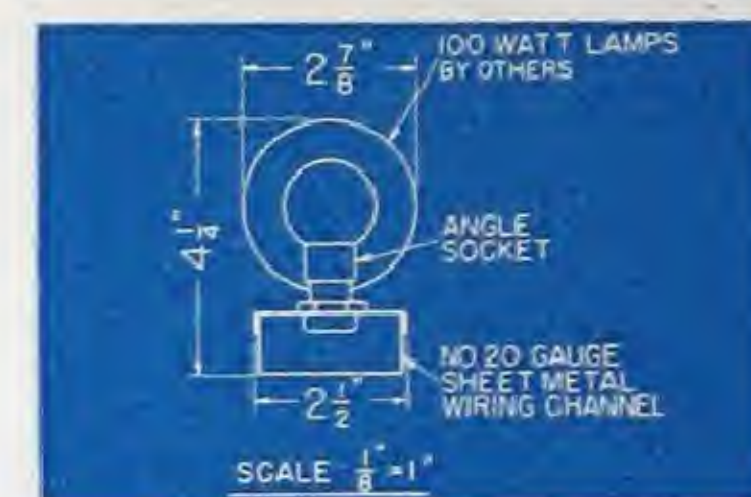


Cat. No. 1941

Skeleton type
Narrow base wiring channel
12" or 18" centers

Cat. No. 1938

Skeleton type
Color circuits as specified
Straight
A or T type lamp

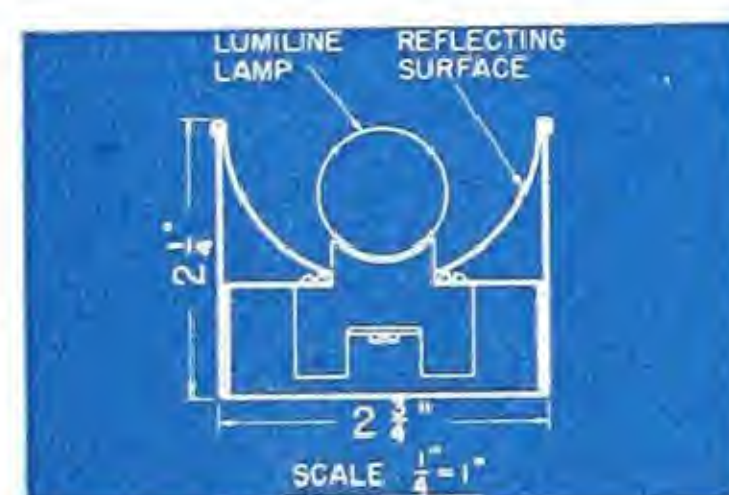
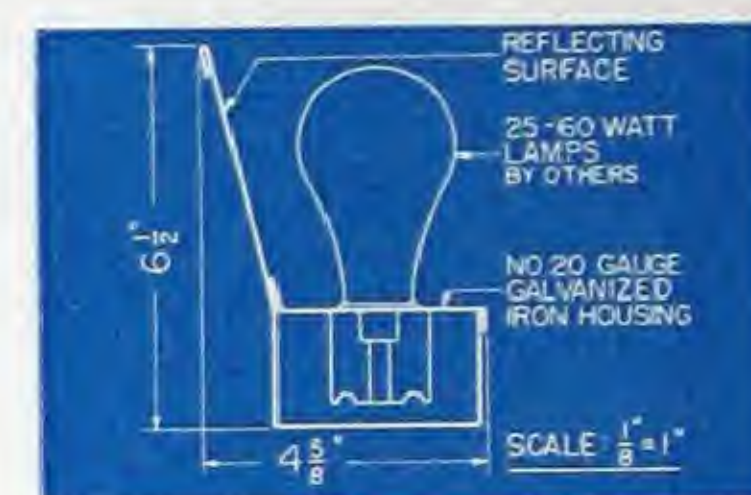


Cat. No. 1942

Reflector type
Angle corner design
12" centers

Cat. No. 1937

Reflector type
Color circuits as specified
Straight or curved
A type lamp

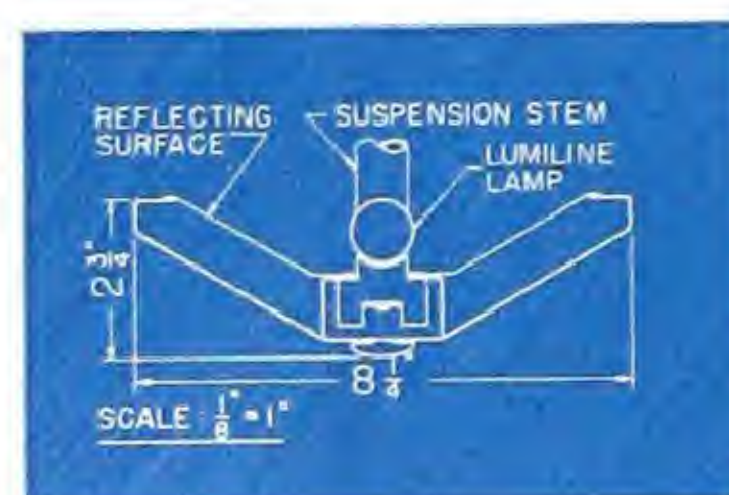
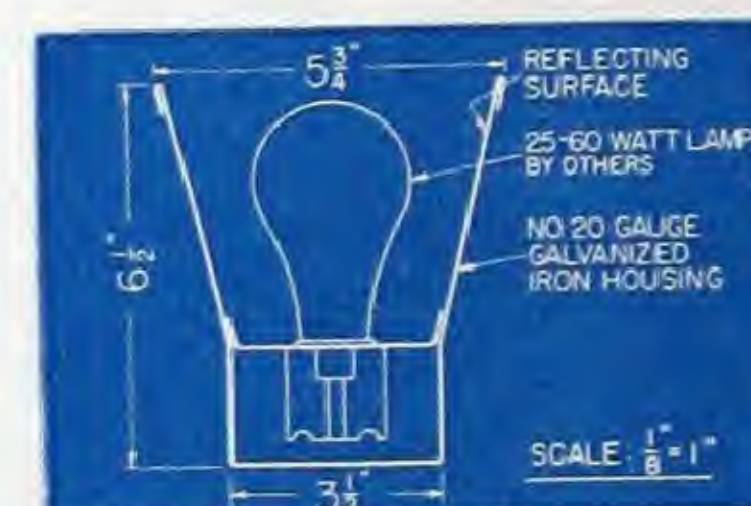


Cat. No. 1939

Reflector type
Wide base wiring channel
12" or 18" centers

Cat. No. 1936

Reflector type
Color circuits as specified
Straight or curved
A type lamp

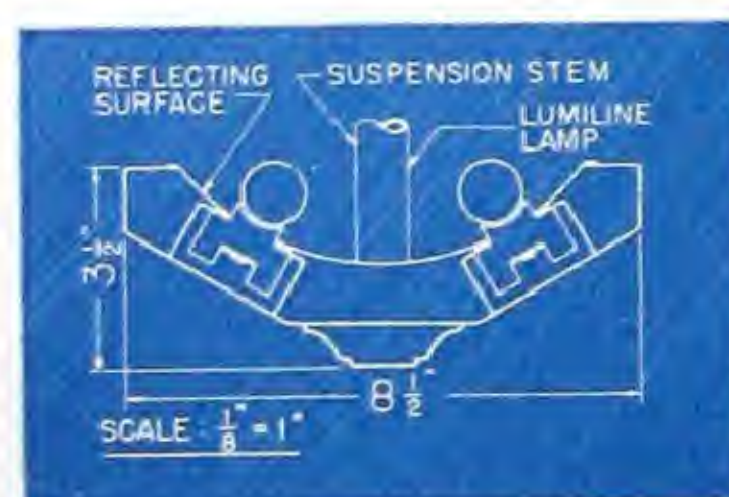
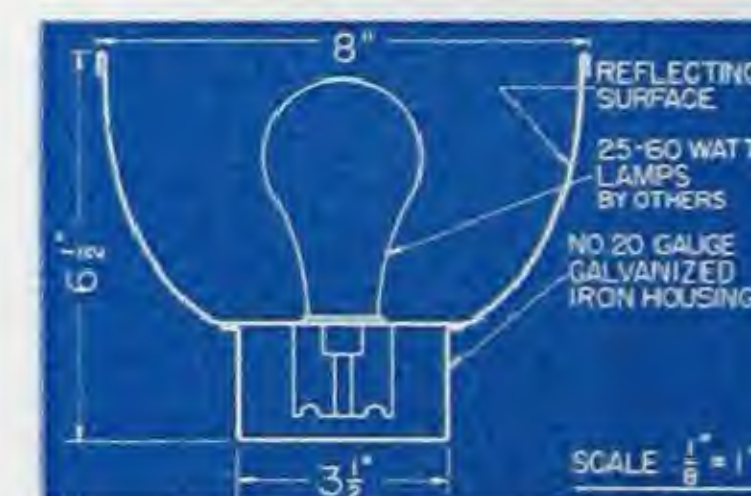


Cat. No. 1943

Indirect reflector type
Single row
Suspension stem
12" or 18" centers

Cat. No. 1935

Reflector type
Color circuits as specified
Straight or curved
A type lamp



Cat. No. 1944

Indirect reflector type
Double row
Suspension stem
12" or 18" centers

Cat. No. 1820

Reflector type
Color circuits as specified
Straight
T type lamp



COVELIGHTS

INDIVIDUAL REFLECTOR TYPE

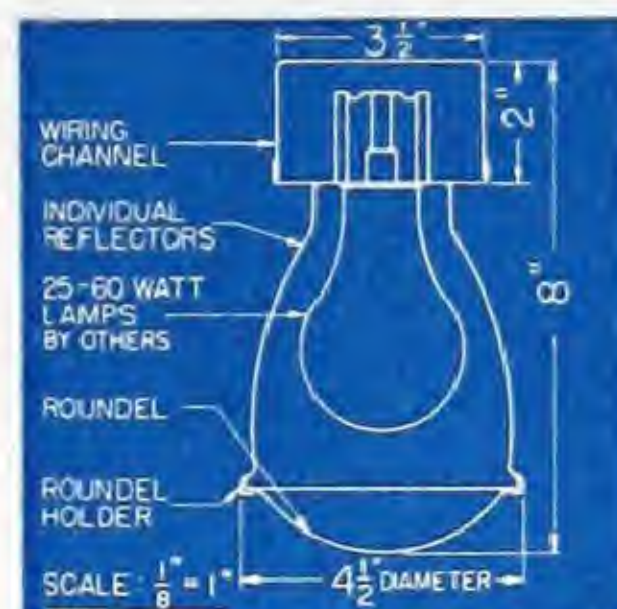
Wiring channel. Outlets and color circuits as specified. Heat resisting colored glass roundels: red, clear, green, blue, and amber. Spring ring holder.

NARROW BEAM

Cat. No. 1910 — Alzak

Cat. No. 1911 — Chromium

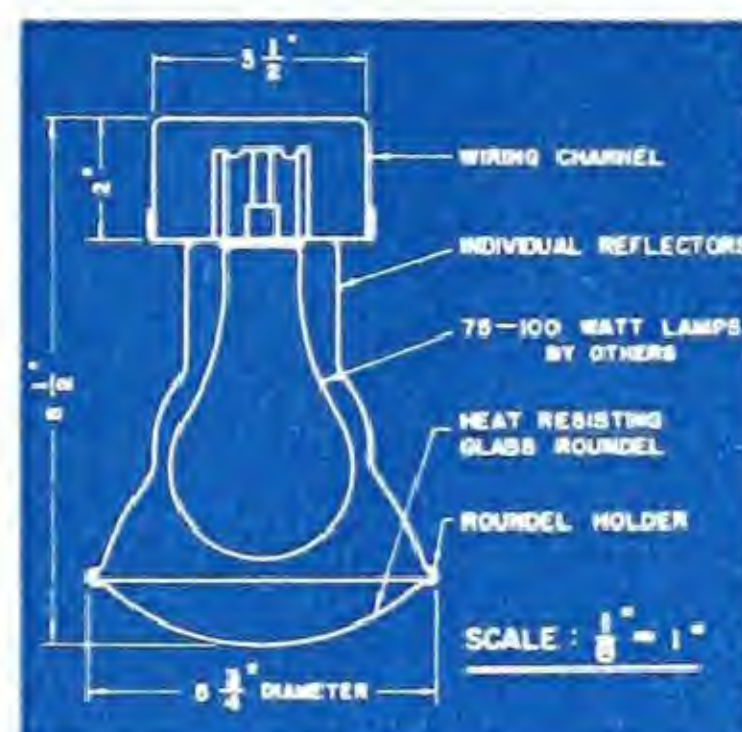
25 to 60 watt A type lamp
4" or 6" centers



Cat. No. 1916 — Alzak

Cat. No. 1917 — Chromium

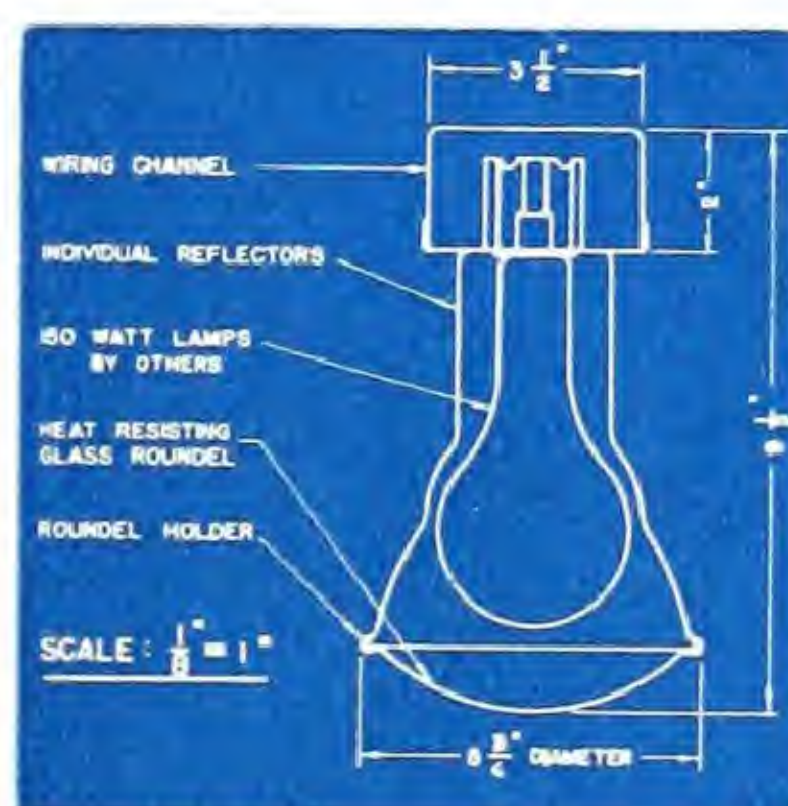
75 to 100 watt A type lamp
6" centers (minimum)



Cat. No. 1903 — Alzak

Cat. No. 1906 — Chromium

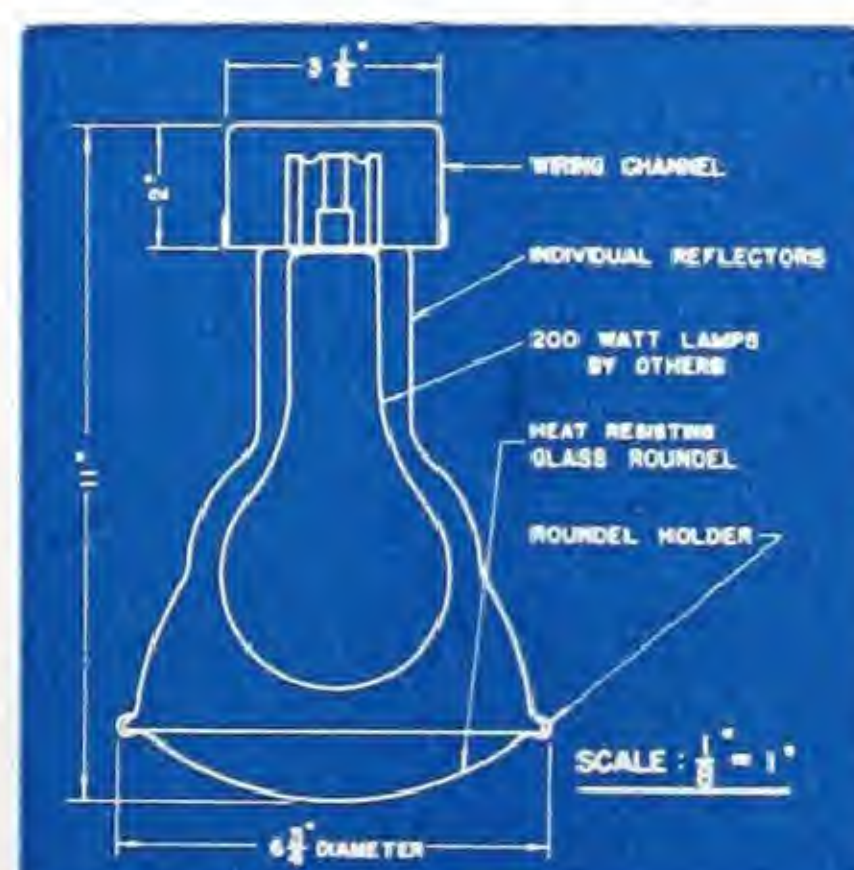
150 watt A type lamp
6" centers (minimum)



Cat. No. 1914 — Alzak

Cat. No. 1908 — Chromium

200 watt PS type lamp
8" centers (minimum)



WIDE BEAM

Cat. No. 1918

Matte Aluminum

25 to 60 watt A type lamp
4" or 6" centers

Cat. No. 1919

Matte Aluminum

75 to 100 watt A type lamp
6" centers (minimum)

Cat. No. 1920

Matte Aluminum

150 watt A type lamp
6" centers (minimum)

Cat. No. 1921

Matte Aluminum

200 watt PS type lamp
8" centers (minimum)

COVELIGHTS

OUTDOOR USE

INDIVIDUAL REFLECTOR TYPE

WEATHERPROOF CONSTRUCTION

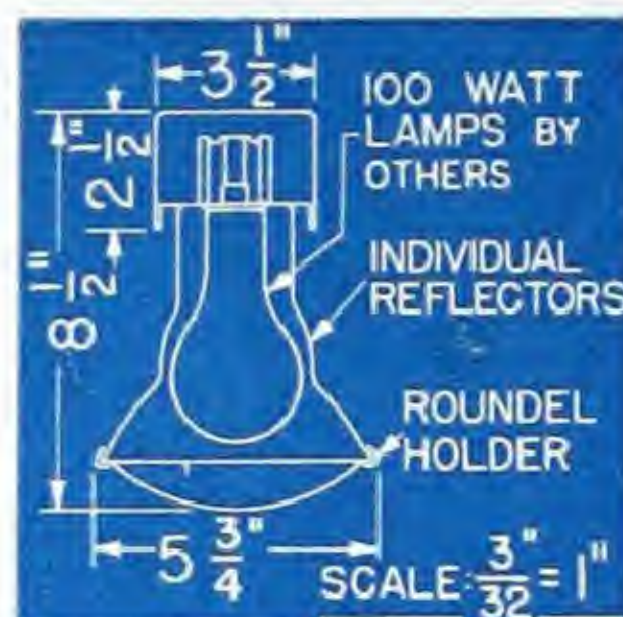
Weatherproof wiring channel. Outlets and color circuits as specified. Heat resisting colored glass roundels: red, clear, green, blue, and amber. Spring ring holder.

NARROW BEAM

ALZAK

Cat. No. 1926

100 watt A type lamp
6" on center



WIDE BEAM

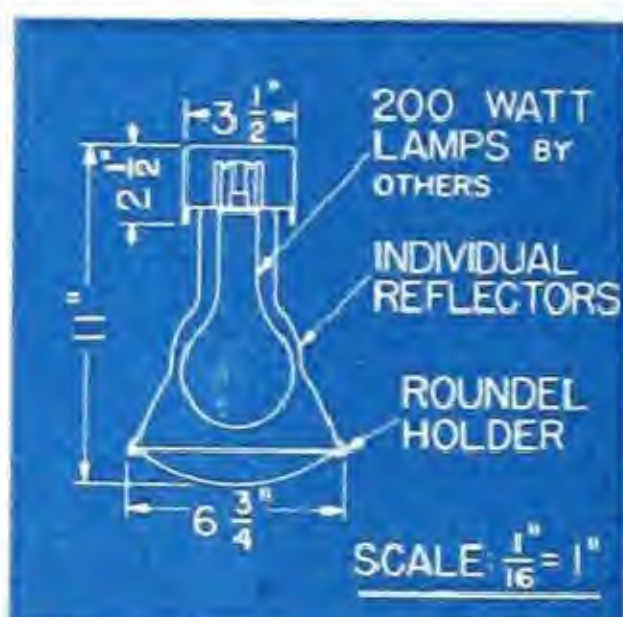
MATTE ALUMINUM

Cat. No. 1925

100 watt A type lamp
6" on center

Cat. No. 1928

200 watt PS type lamp
8" on center

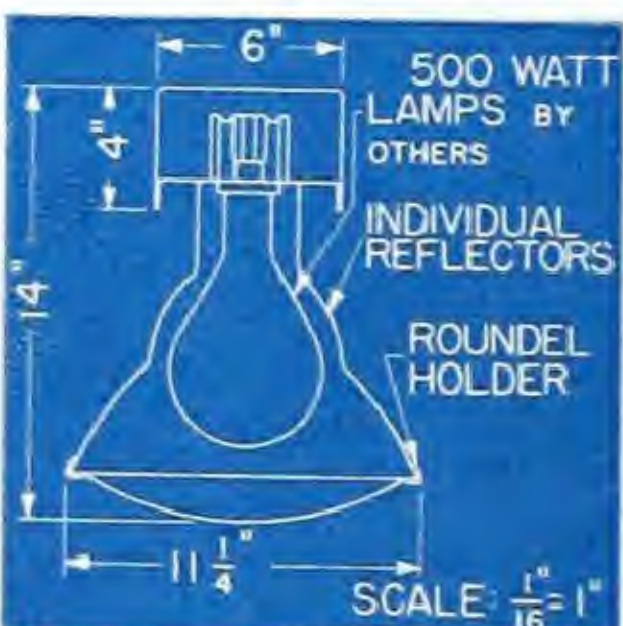


Cat. No. 1927

200 watt PS type lamp
8" on center

Cat. No. 1930

300-500 watt PS type lamp
12" on center

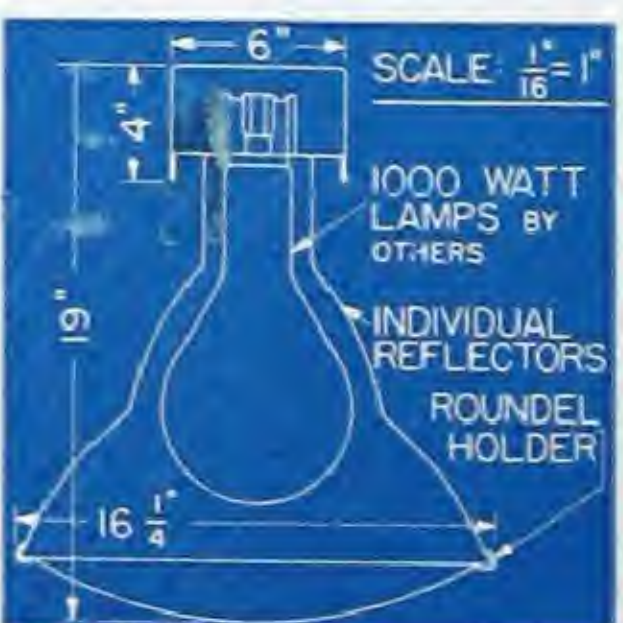


Cat. No. 1929

300-500 watt PS type lamp
12" on center

Cat. No. 1932

750-1000 watt PS type lamp
14" on center



Cat. No. 1931

750-1000 watt PS type lamp
14" on center

COVELIGHTS

GASEOUS TUBE TYPE

Where rigid space limitations exist, the continuous gaseous tube offers the most practical solution for cove lighting. It gives continuity as well as uniformity of light line. Its fabrication flexibility lends itself readily to decorative, architectural applications. Virtually any architectural line can be followed.

Tubing in any color can be selected, thus allowing complete freedom in choice of color schemes.

By means of continuous alzak reflector stripping and the higher lumen output tubing now available, the inefficiency which formerly limited indirect gaseous tube application, has been overcome.

The low initial and operating cost, combined with long tube life, makes this an economical method of lighting.

SOCONY-VACUUM PERMANENT DISPLAY AT ROCKEFELLER CENTER



By: Henry Dreyfuss, Industrial Designer

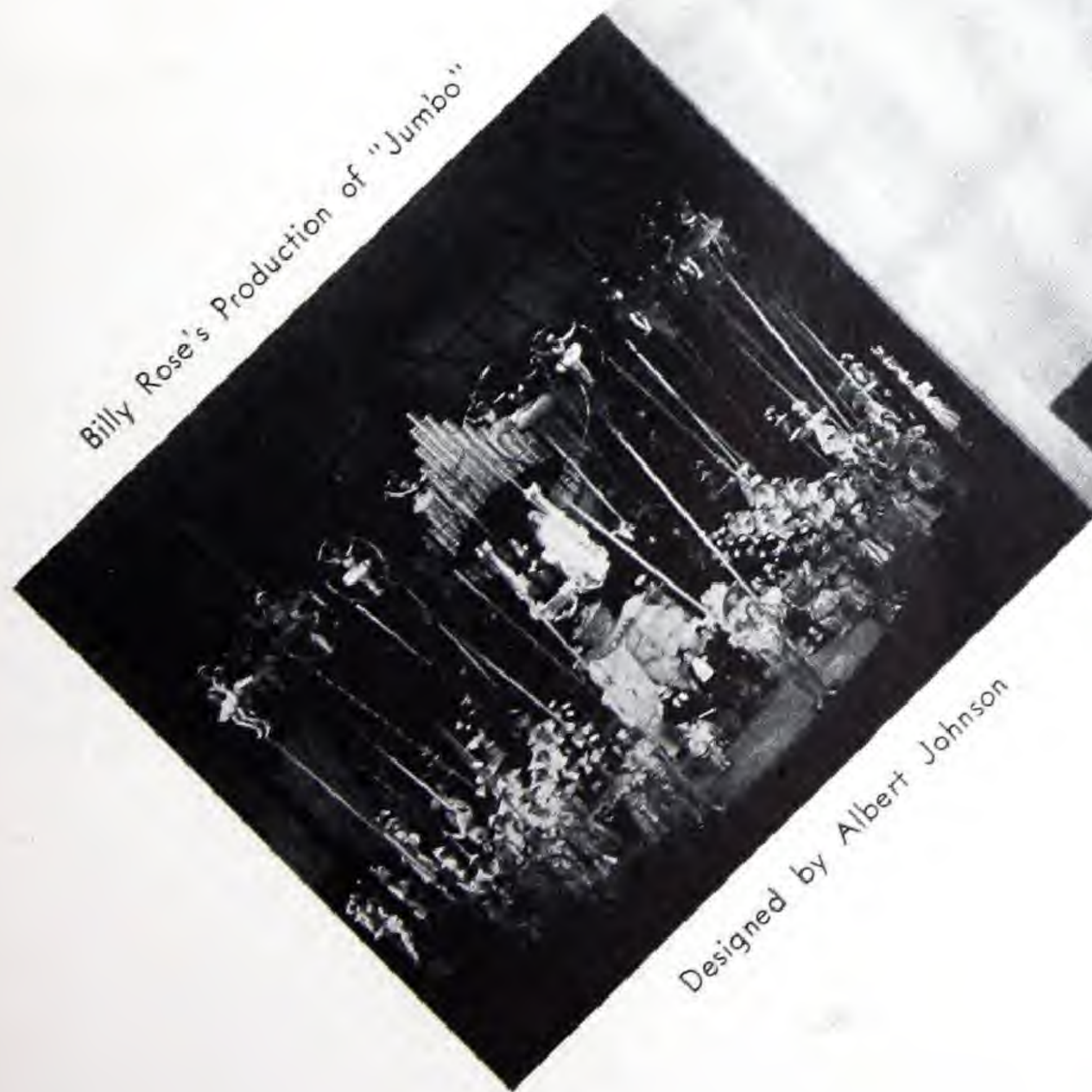
BEAM LIGHT PROJECTORS

The search light, the automobile headlight, and the building floodlight are of the same family. They all use an efficient parabolic reflector. It seems strange that this principle has only lately, and then begrudgingly, been accepted by the theatre technicians. But in a short time there have been rapid strides in the development of an efficient unit of this type, the Beam Light Projector, especially adapted to stage uses. In spite of a slight irregularity of beam, and a limited range of spread, the instrument projects a narrow angle beam from three to four times as bright as the ordinary spotlight and has a relatively soft edge.

BEAM LIGHT PROJECTORS



Billy Rose's Production of "Jumbo"



Designed by Albert Johnson

Max Reinhardt's Production of "Eternal Road"



Designed by Norman Bel Geddes

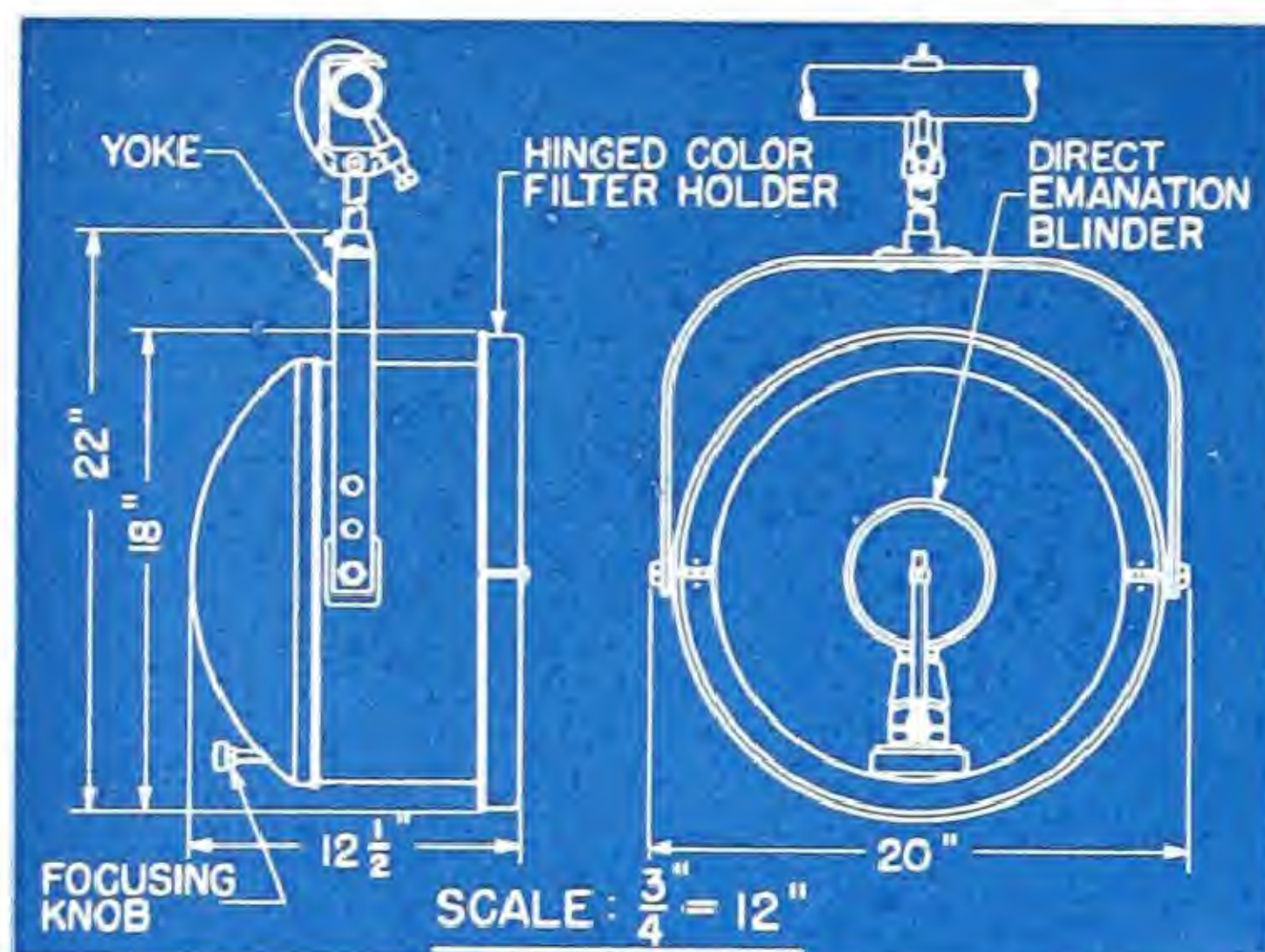
BEAM LIGHT PROJECTORS

1000-1500 WATTS

NARROW BEAM CHARACTERISTIC

Maximum Spread is .353 ft. at 1 ft. Distance

WITH SPHERICAL BLINDER



Cat. No. 1502 Indoor Type

16" Chromium plated parabolic reflector. 5" spherical aluminum blinder. Rapid screw feed focus device. Yoke with 9" base for plane attachment or C clamp for pipe mounting. Wired with mogul prefocus base socket and 2 ft. asbestos lead. Hinged front door for and with metal color holder.

List Price\$55.00

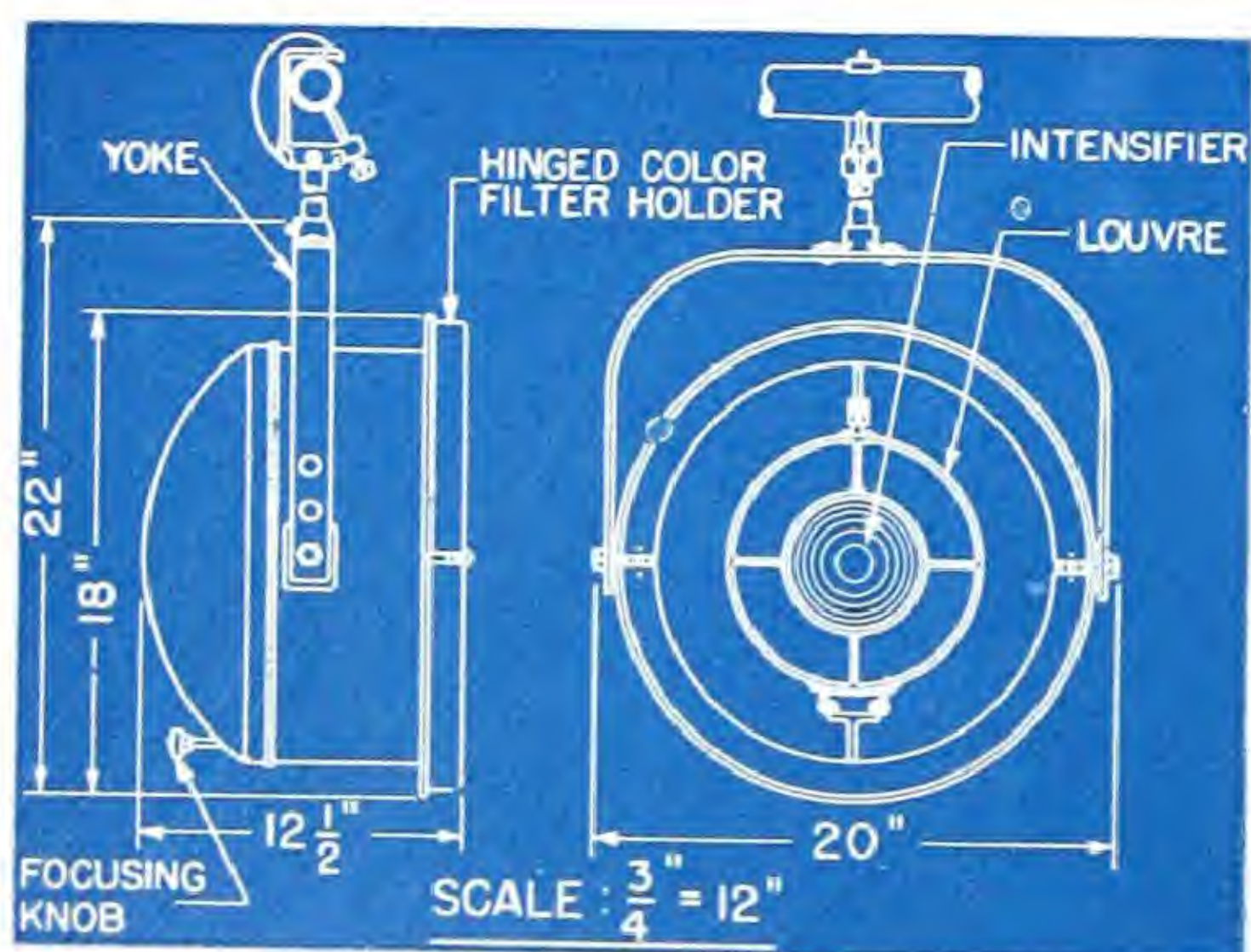
Cat. No. 1501 Outdoor Type

Same as above except: This unit includes non-rusting brackets and outdoor cable lead.

List Price\$60.00



WITH INTENSIFIER



Cat. No. 1510 Indoor Type

16" Chromium plated parabolic reflector. Rapid screw feed focus device. Yoke with 9" base for plane attachment or C clamp for pipe mounting. Wired with mogul prefocus base socket and 2 ft. asbestos lead. Hinged front door for and with a special 5" heat resisting Fresnel lens mounted in cast aluminum louvre to collect, intensify and smooth the beam field. Eliminates central dark spot.

List Price\$60.00

Cat. No. 1511 Outdoor Type

Same as above except: This unit includes non-rusting brackets and outdoor cable lead.

List Price\$65.00



ACCESSORIES

9" base	\$ 2.50
18" base with 5 to 8 ft. telescopic pipe	11.00
Metal Color Frame	2.00
Clear Glass	3.50
Colored Glass	8.00
C Clamp to grip up to 2" pipe	1.50

Circular Louvre\$ 4.50

LAMPS — Mogul Prefocus Base

1000 watt G40, C13D lamp	9.50
1500 watt G40, C13D lamp	12.75

Average rated life 200 hours. Burn Base Down

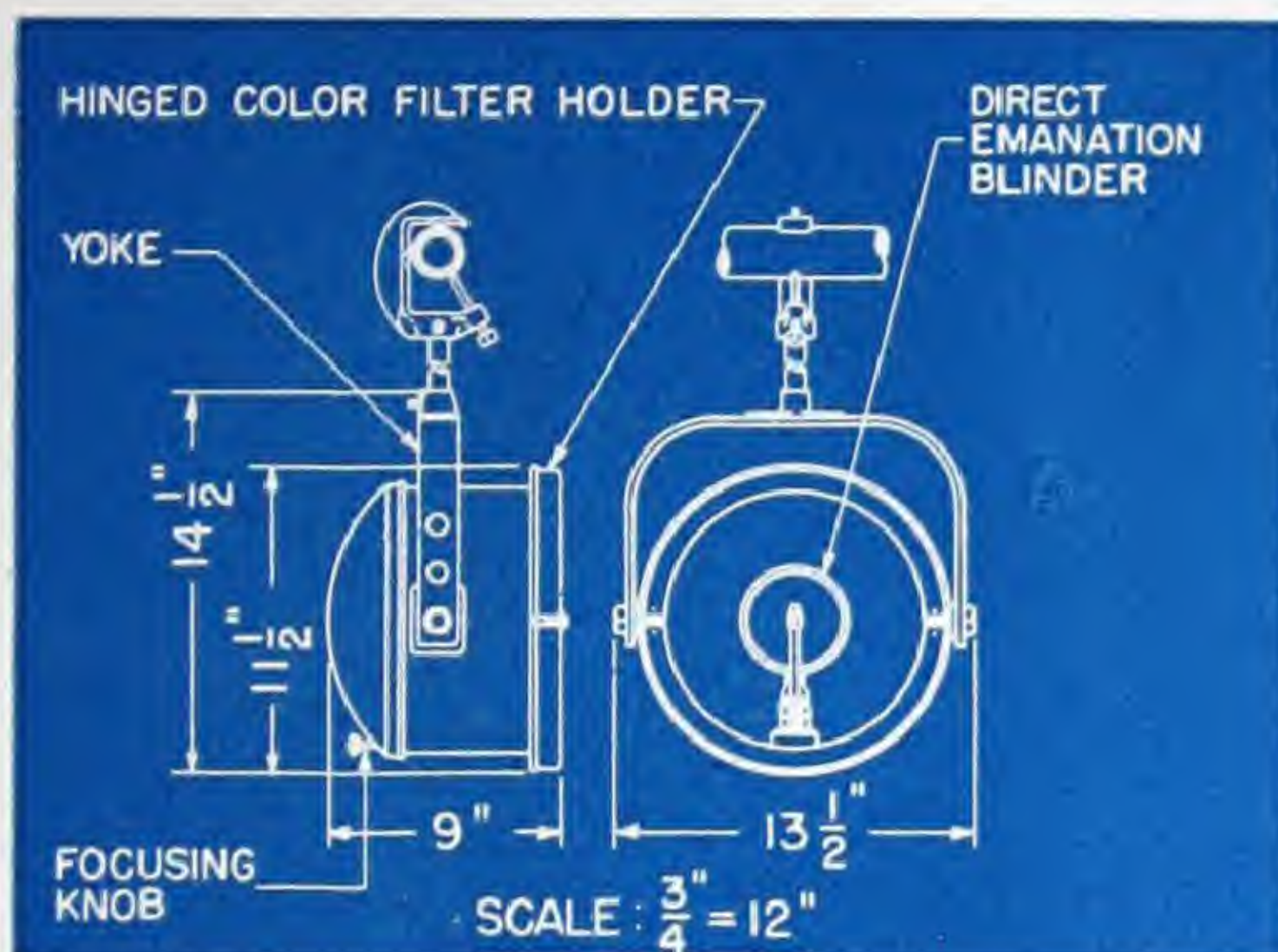
BEAM LIGHT PROJECTORS

500-1000 WATTS

NARROW BEAM CHARACTERISTIC

Maximum Spread is .353 ft. at 1 ft. Distance

WITH SPHERICAL BLINDER



Cat. No. 1515 Indoor Type

10" Chromium plated parabolic reflector, 4" spherical aluminum blinder. Rapid screw feed focus device. Yoke with 9" base for plane attachment or C clamp for pipe mounting. Wired with mogul screw base socket and 2 ft. asbestos lead. Hinged front door for and with metal color holder.

List Price \$45.00

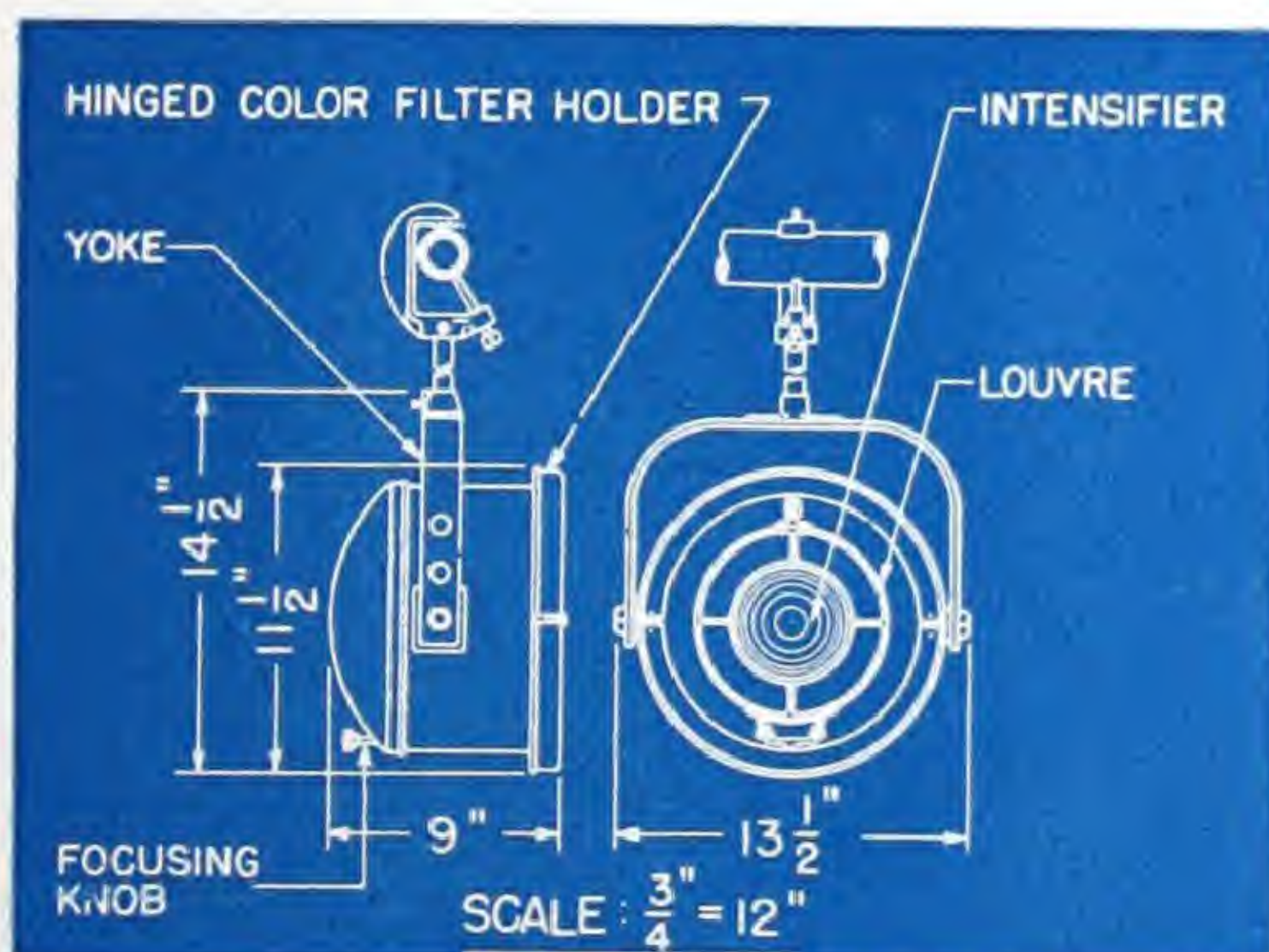
Cat. No. 1516 Outdoor Type

Same as above except: This unit includes non-rusting brackets and outdoor weather-proof cable lead.

List Price \$50.00



WITH INTENSIFIER



Cat. No. 1517 Indoor Type

10" Chromium plated parabolic reflector. Rapid screw feed focus device. Yoke with 9" base for plane attachment or C clamp for pipe mounting. Wired with mogul screw base socket and 2 ft. asbestos lead. Hinged front door for and with a special 4" heat resisting Fresnel lens mounted in cast aluminum louvre to collect, intensify and smooth the beam field. Eliminates central dark spot.

List Price \$50.00

Cat. No. 1518 Outdoor Type

Same as above except: This unit includes non-rusting brackets and outdoor weather-proof cable lead.

List Price \$55.00



ACCESSORIES

C Clamp to grip up to 2" pipe	\$ 1.50
Metal Color Frame	1.50
9" base	2.50
Clear Glass	3.00
Colored Glass	7.00
14" base with 4 to 7 ft. telescopic pipe	8.50

18" base with 5 to 8 ft. telescopic pipe	\$11.00
Circular Louvre	3.50
LAMPS — Mogul Screw Base	
500 watt G40, C5 lamp	2.90
1000 watt G40, C5 lamp	6.25

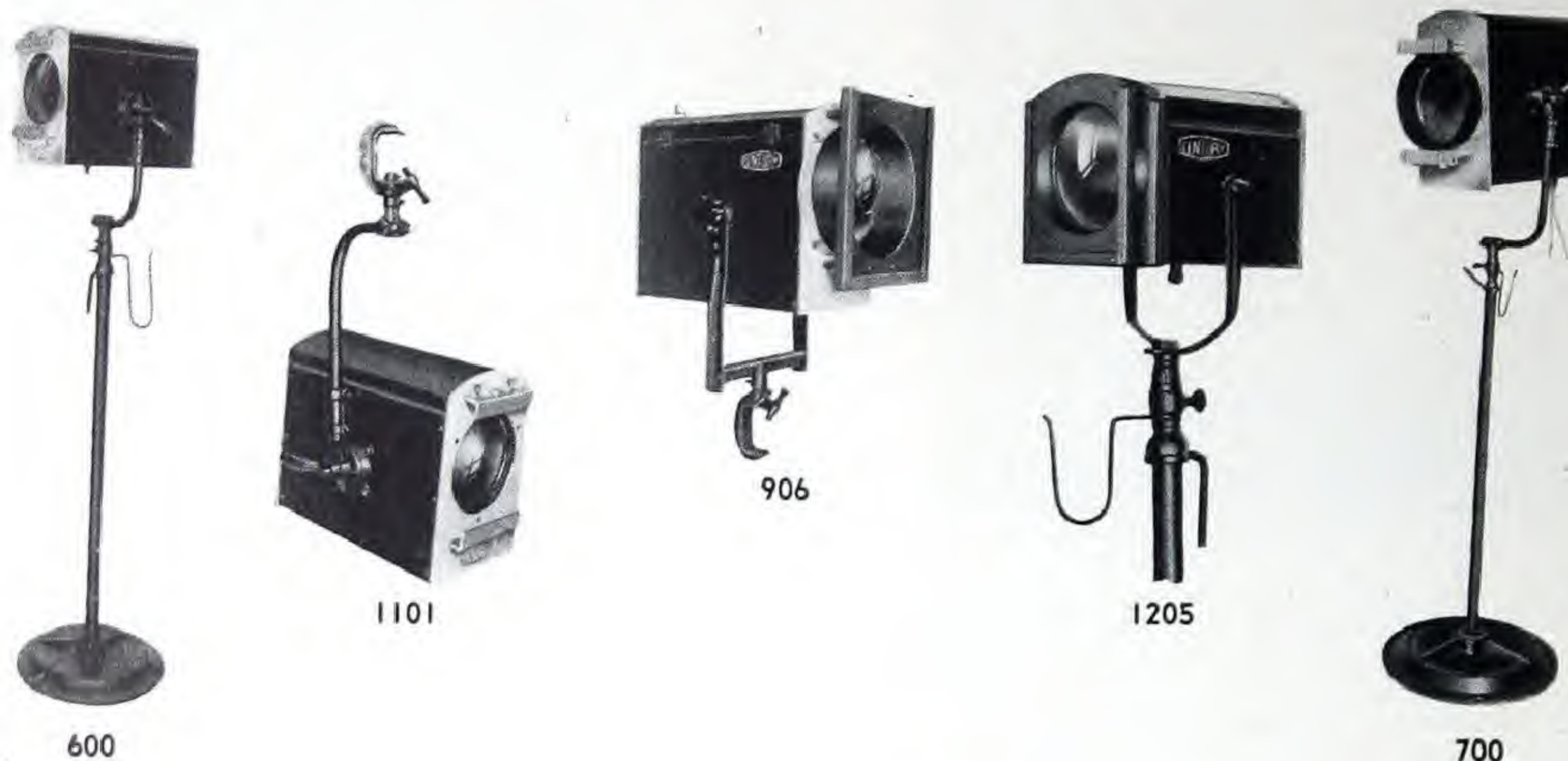
Average rated life 200 hours. Burn Base Down

SPOTLIGHTS

STAND TYPE Furnished with 14" base with 4 to 7 ft. telescopic pipe. 25 ft. cable. Full 15 ampere connector. Metal color frame.

HANGING TYPE Furnished with C clamp to grip up to 2" pipe. 60 ft. stage cable. Full 15 ampere connector. Metal color frame.

Metal spherical reflector furnished with all units. Hood is of Black Crystal Finish.



<u>Cat No.</u>	<u>Type</u>	<u>Lens Diam.</u>	<u>Hood Length</u>	<u>Socket</u>	<u>Wattage</u>	<u>List Price</u>
600	Stand	6"	15 1/2"	Mogul Screw	500-1500	\$42.50
601	Hanging	6"	15 1/2"	Mogul Screw	500-1500	42.00
700	Stand	8"	18 1/2"	Mogul Screw	500-1500	45.00
701	Hanging	8"	18 1/2"	Mogul Screw	500-1500	44.50
900	Stand	6"	17 1/4"	Mogul Screw	1000-2000	44.50
901	Hanging	6"	17 1/4"	Mogul Screw	1000-2000	44.00
906*	9" base	6"	17 1/4"	Mogul Screw	1000-2000	33.00
1000	Stand	8"	20 1/2"	Mogul Screw	1000-2000	50.00
1001	Hanging	8"	20 1/2"	Mogul Screw	1000-2000	49.50
1008*	Hanging	8"	20 1/2"	Mogul Screw	1000-2000	38.00
1100	Stand	4 1/2"	13"	Medium Screw	100-400	28.00
1101	Hanging	4 1/2"	13"	Medium Screw	100-400	27.50
1201	Hanging	5"	9 3/8"	Medium Screw	100-400	22.00
1205	Stand	5"	9 3/8"	Medium Screw	100-400	22.50

*Base type: no cable or connector included



SPOTLIGHTS

Cat. No. 1210 75-100 watt Streamline Spotlight

2" lens. Yoke and base. 8 ft. cord and male plug. Metal color frame. Wired with bayonet socket for either 75 watt G16½ lamp or 100 watt T8 lamp. Front spring lock for lamp access. Black crystal finish with chromium plated focus and direction knobs.

List Price \$ 7.50



Cat. No. 1204 100 watt Midget Spotlight

3½" lens. Yoke and 3" flange. 8 ft. cord and male plug. Metal color frame. Wired with medium screw base for 100 watt P type lamp. Top door lamp access. Black crystal finish.

List Price \$ 7.50



Cat. No. 1203 100-400 watt Baby Spotlight

4" lens. Yoke and 6" base. 8 ft. cord and male plug. Metal color frame. Wired with medium screw base for 100-250 or 400 watt G type lamp. Rear door lamp access. Black crystal finish.

List Price \$ 7.50



Cat. No. 1200 100-400 watt Babylite Spotlight

High efficiency. 5" lens. 3¾" spherical reflector. Yoke and 6" base. 8 ft. cord and male plug. Metal color frame. Removable front lens mount for floodlighting and lamp access. Wired with medium screw base for 100-250 or 400 watt G type lamp. Black crystal finish.

List Price \$14.50



ACCESSORIES

Item	List Price	Item	List Price
C clamp to grip up to 2" pipe	\$1.50	Metal color frame for:	
Tripod light weight base and telescopic		Cat. No. 1210	\$.35
pipe, 3 to 5 ft.	6.00	Cat. No. 1204 .....	.25
Wall or ceiling bracket	2.50	Cat. No. 1203 .....	.25
		Cat. No. 1200 .....	.30

LAMPS

75 watt G16½	\$1.45
100 watt T8	1.20
100 watt P25 .....	.85
250 watt G30	1.50
400 watt G30	2.65

SPOTLIGHT ACCESSORIES



Description	List Price
Malleable Iron C Clamp	\$ 1.50
Wall and Ceiling Bracket	2.50
4 1/2" Metal Color Frame .....	.30
5" Metal Color Frame .....	.30
6" Metal Color Frame .....	.35
8" Metal Color Frame .....	.50
2" condensing lens .....	.60
3 1/2" condensing lens .....	.85
4" condensing lens	1.10
4 1/2" condensing lens	1.10
5" condensing lens	1.80
6" condensing lens	2.50
8" condensing lens	7.50
3 3/4" Chromium Reflector	1.25
5" Chromium Reflector	5.00
Hand Operated Color Wheel 4 1/2", 6"	5.00

Description	List Price
Hand Operated Color Wheel 8"	11.00
Motor Driven Color Wheel 4 1/2", 6"	50.00
Motor Driven Color Wheel 8"	75.00
Hand Operated Color Boomerang 6"	18.00
Hand Operated Color Boomerang 8"	35.00
18" base, 5 to 8 ft. telescopic pipe	11.00
14" base, 4 to 7 ft. telescopic pipe	8.50
Tripod base, 3 to 5 ft. telescopic pipe	6.00
Dimmers — slider type	
250 watts	20.00
400 watts	20.00
500 watts	20.00
1000 watts	25.00
1500 watts	33.00
2000 watts	33.00

LAMP DATA

Wattage	Shape	Filament	Base	List Price
100	P 25	C5	Medium Screw	\$.85
250	G30	C5	Medium Screw	1.50
400	G30	C5	Medium Screw	2.65
500	G40	C5	Mogul Screw	3.25
1000	G40	C5	Mogul Screw	6.25
1500	G40	C5	Mogul Screw	9.00
2000	G40	C5	Mogul Screw	14.00

Average Rated Life: 200 hours. Burn Base Down

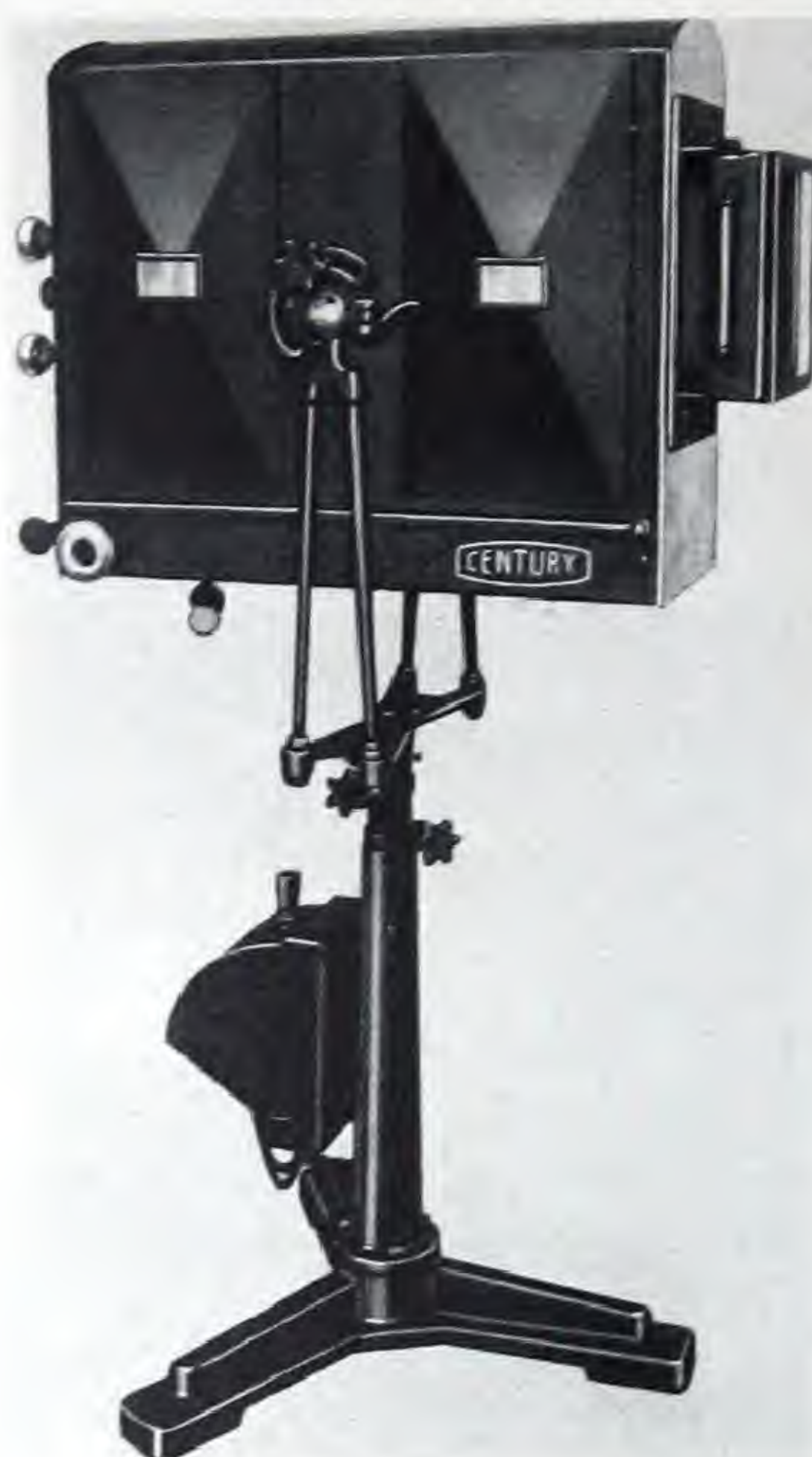
ARC LIGHTS

Until recently, the Arc Spotlight, like its predecessor, the limelight, was the only means of projecting a powerful beam of light from some distance to the stage. It has the definite theatrical quality of producing a sharp edged beam that we have come to associate so definitely with the follow-spot used in the average musical show. At a wide spread, the Arc Light can be used to flood the whole proscenium opening of the stage and inasmuch as it is attended by an operator, it has been given great flexibility by the incorporation of color boomerangs and several types of cut-offs which permit shaping of the beam to almost any form. Even since the development of the high powered incandescent units, where the distance of throw is 100 feet or more, the high intensity arc spot is still the only unit which can give the flexibility and intensity of beam ordinarily required of a follow-spot or a front flood.

ARC LIGHTS

RIGIDLY BUILT, PROPERLY VENTILATED, WELL BALANCED,
LIGHT TIGHT, QUICK ACTING, EASILY OPERATED, PORTABLE

100 AMPERES



FEATURES INCLUDE:

1. Non-vibrating Burner. Carbon holders to receive $\frac{5}{16}$ " up to 1" carbons.
2. Heavy duty construction yet smooth working.
3. Adjustment handles conveniently located outside of the housing to readily take care of:
 - a. Changing position of burner from spot to flood.
 - b. Moving lower carbon holder back and forth.
 - c. Moving upper carbon holder sideways.
 - d. Feeding of carbons.
 - e. Moving entire lens holder up and down on front of hood.
4. Adjustable counter-weight to balance hood when heavy apparatus is attached to front.
5. Quick lock device to set hood at any angle.
6. Hood which is set in full yoke to accomplish ease in turning unit.

7. Good sized following handle to enable quick direction of light.
8. Metal enclosed switch located at accessible place on the stand.
9. Doors on both sides.
10. Three-legged base, machined cast iron.
12. Rapid acting clamp to tighten yoke.

Weight unpacked: 256 lbs.

Cat. No. 100

List Price: \$250.00

ACCESSORIES:

Color Boomerang	\$18.00
100 Ampere Rheostat	48.00
Upper Carbon Holders	10.00
Lower Carbon Holders	10.00
Metal Color Frame .....	.35

ARC LIGHTS



Burner has screw feed with all adjustments on carbon holders inside of hood.

Entire burner is moved up and down for centering arc with lens.

Hood has large following handles.

Feed and centering handles are clear of each other, allowing ample space for free operation.

Focusing handle is operated from rear of hood — locks quickly in any position.

Carbon holders are sufficiently large to receive $\frac{5}{16}$ " to 1" carbons.

Rheostat is built for constant duty with large connection box. 18" diameter base insures steadiness.



Cat. No. 200 70 Ampere Arc

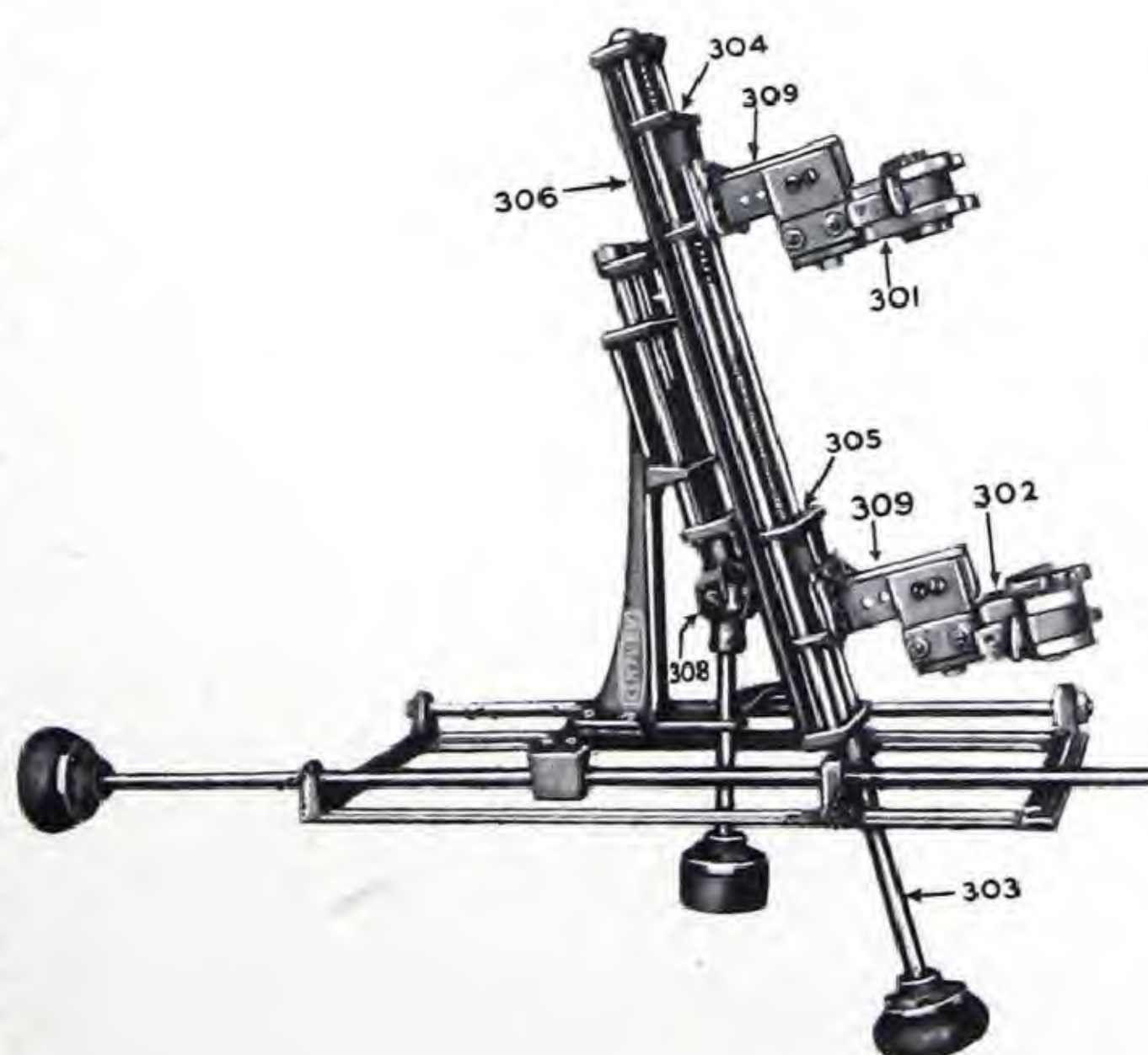
20" hood. Hinged door. Heavy duty, double bearing offset yoke with quick locking device. Built-in Iris shutter with rear handle adjustment. 70 Ampere Arc rheostat. Heat resisting 6" condensing lens. Metal enclosed switch. 25 ft. stage cable. Full connector. Weight: 120 lbs.

List Price\$150.00

ARC BURNER PARTS

Upper carbon holder	\$4.40
Lower carbon holder	4.50
Carbon holder slide adjustment	2.25
Upper carbon traveler	3.50
Lower carbon traveler	3.50
Traveler guide assembly.....	4.75
Universal Joint	2.25

ARC BURNER



Cat. No. 201 50 Ampere Arc

20" hood. Hinged door. Heavy duty, double bearing offset yoke with quick locking device. 50 Ampere Arc rheostat. 6" condensing lens. Metal enclosed switch. 25 ft. stage cable. Full connector. Weight: 95 lbs.

List Price\$ 75.00

ACCESSORIES

6" to 5" lens reducer	\$ 1.50
6" Iris shutter	15.00
6 color boomerang	18.00
18" diameter base stand	11.00
50 ampere rheostat	26.00
75 ampere rheostat	30.00

FLOODLIGHTS

INDOOR USE

Purpose: Short and Long Range — Wide Spread Diffused Light



1350



1302



2925



1304



1450



2927



2926



1400

Cat. No.	Description
1302	Wired to receive 500 watt PS lamp. Hanging type. Yoke and C clamp to grip up to 2" pipe. 14" ellipsoidal aluminum spun matte finish reflector. Furnished with 2 ft. asbestos lead and male plug. Metal color frame. Black crystal finish. List Price .....\$20.00
1303	Wired to receive 500 watt PS lamp. Hanging type. Yoke and C clamp to grip up to 2" pipe. 14" parabolic aluminum spun matte finish reflector. Furnished with 60 ft. cable, full 15 ampere connector. Metal color frame. Black crystal finish. List Price .....\$27.00
1304	Wired to receive 750 to 1500 watt PS lamp. Hanging type. C clamp to grip up to 2" pipe. 18" ellipsoidal aluminum spun matte finish reflector. Furnished with 60 ft. cable, full 15 ampere connector. Metal color frame. Black crystal finish. List Price .....\$33.00
1350	Wired to receive 1000-1500 watt PS lamp. Stand type. 14" base with 4 to 7 ft. telescopic pipe. 12" parabolic aluminum spun matte finish reflector. Furnished with 25 ft. cable, full 15 ampere connector. Metal color frame. Flat black finish. List Price .....\$40.00
1400	Wired to receive 500 watt PS lamp. Hanging type. Chain hangers. White paint reflecting surface. Hood opening is 12 1/2" x 12 1/2". Black crystal finish. List Price .....\$10.50

Cat. No.	Description
1450	Wired to receive 1000-1500 watt PS lamp. Stand type. 14" base with 4 to 7 ft. telescopic pipe. White paint reflecting surface. Furnished with 25 ft. cable, full 15 ampere connector. Black crystal finish. List Price .....\$24.00
1451	Wired to receive 1000-1500 watt PS lamp. Hanging type. Chain hangers. White paint reflecting surface. Furnished with 60 ft. cable No. 14-2 conductor; full 15 ampere connector. Hood opening is 18" x 18". Black crystal finish. List Price .....\$18.00
2925	Wired to receive 100 or 200 watt PS lamp. Universal flange for plane mounting. 9" parabolic aluminum spun matte finish reflector. Furnished with 8 ft. cord and male plug. Metal color frame. Bronze crystal finish. List Price\$ 6.00
2926	Wizardlite Jr. Wired to receive 75-100 watt A type lamp. Universal flange for plane mounting. 6" ellipsoidal aluminum spun matte finish reflector. Furnished with 2 ft. asbestos lead and male plug. Metal color frame. Black crystal finish. List Price\$ 4.50
2927	Wizardlite. Wired to receive 250 or 400 watt G type or 500 watt T20 lamp. Universal flange for plane mounting. 8" ellipsoidal aluminum spun matte finish reflector. Furnished with 2 ft. rubber cord and moulded male plug. Metal color frame. Black crystal finish. List Price\$ 7.50

FLOODLIGHT ACCESSORIES



Description	List Price
Bracket	\$ 2.50
Flange	1.50
C Clamp to grip up to 2" pipe	1.50
14" Base	3.50
14" Base with 4 to 7 ft. telescopic pipe	8.50
Crowfoot Base with 3 to 5 ft. telescopic pipe	6.00
3 legged Base with rubber casters, and 5 to 8 ft. telescopic pipe	20.00
Tripod Base with rubber casters, and 5 to 8 ft. telescopic pipe	30.00
Metal Color Frame for No. 1350	2.00
Metal Color Frame for No. 1400	1.25
Wood Color Frame for No. 1450 .....	.60
Wood Color Frame for No. 1451 .....	.60
Metal Color Frame for No. 1302	1.50
Metal Color Frame for No. 1303	1.50
Metal Color Frame for No. 1304	2.00

Description	List Price
Metal Color Frame for No. 2925	1.00
Metal Color Frame for No. 2926 .....	.35
Metal Color Frame for No. 2927 .....	.50
14" Ellipsoidal aluminum spun matte finish reflector	8.00
14" Parabolic aluminum spun matte finish reflector	8.00
18" Ellipsoidal aluminum spun matte finish reflector	11.00
12" Parabolic aluminum spun matte finish reflector	7.50
9" Parabolic aluminum spun matte finish reflector	5.00
6" Ellipsoidal aluminum spun matte finish reflector	2.50
8" Ellipsoidal aluminum spun matte finish reflector	2.50

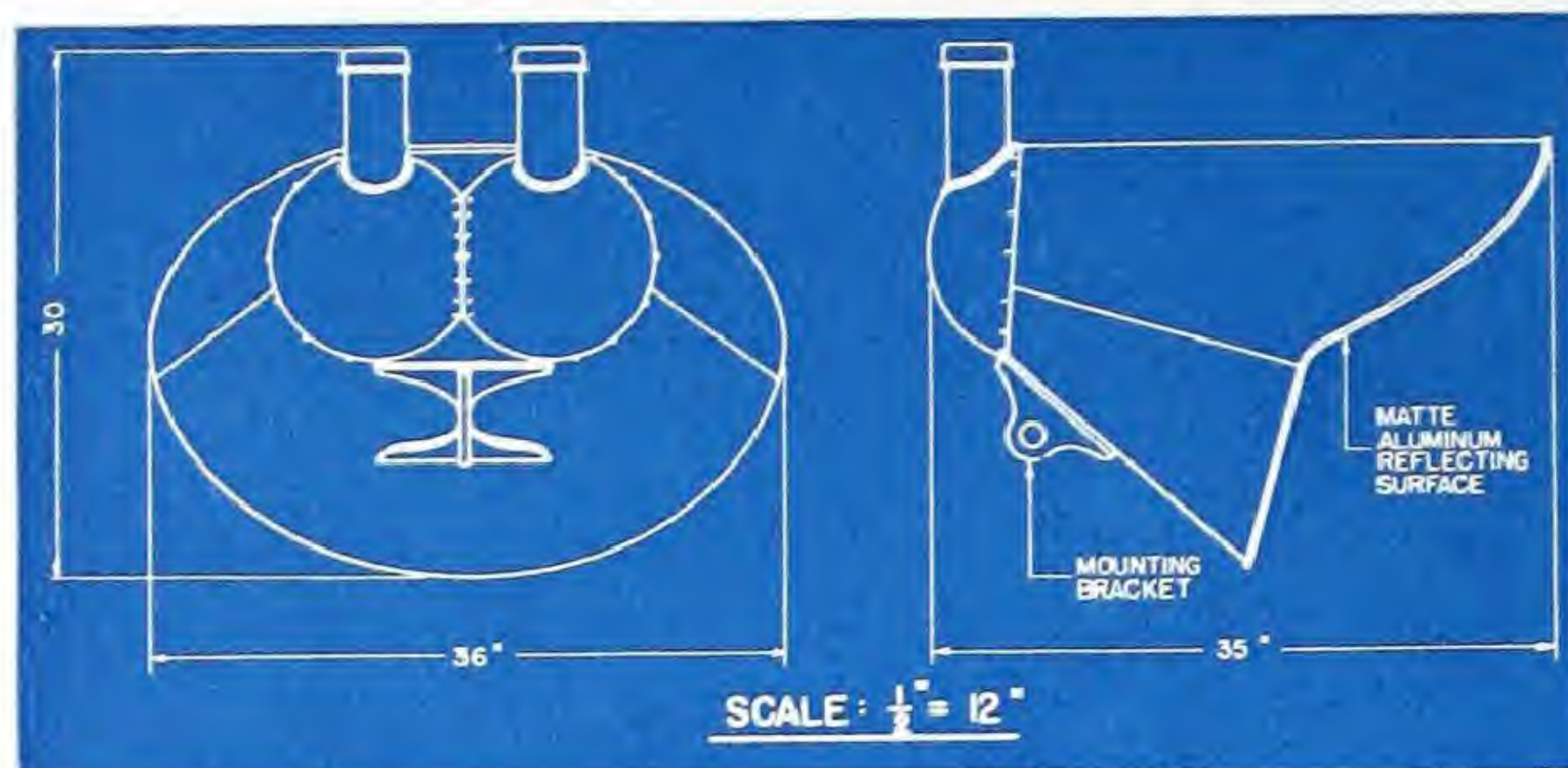
L A M P S

75 watt A 21 .....	.20
100 watt A 23 .....	.20
100 watt P 25 .....	.85
250 watt G 30	1.50
400 watt G 30	2.90
500 watt PS 40	1.40
750 watt PS 52	3.75
1000 watt PS 52	4.00
1500 watt PS 52	5.75

FLOODLIGHTS

OUTDOOR USE

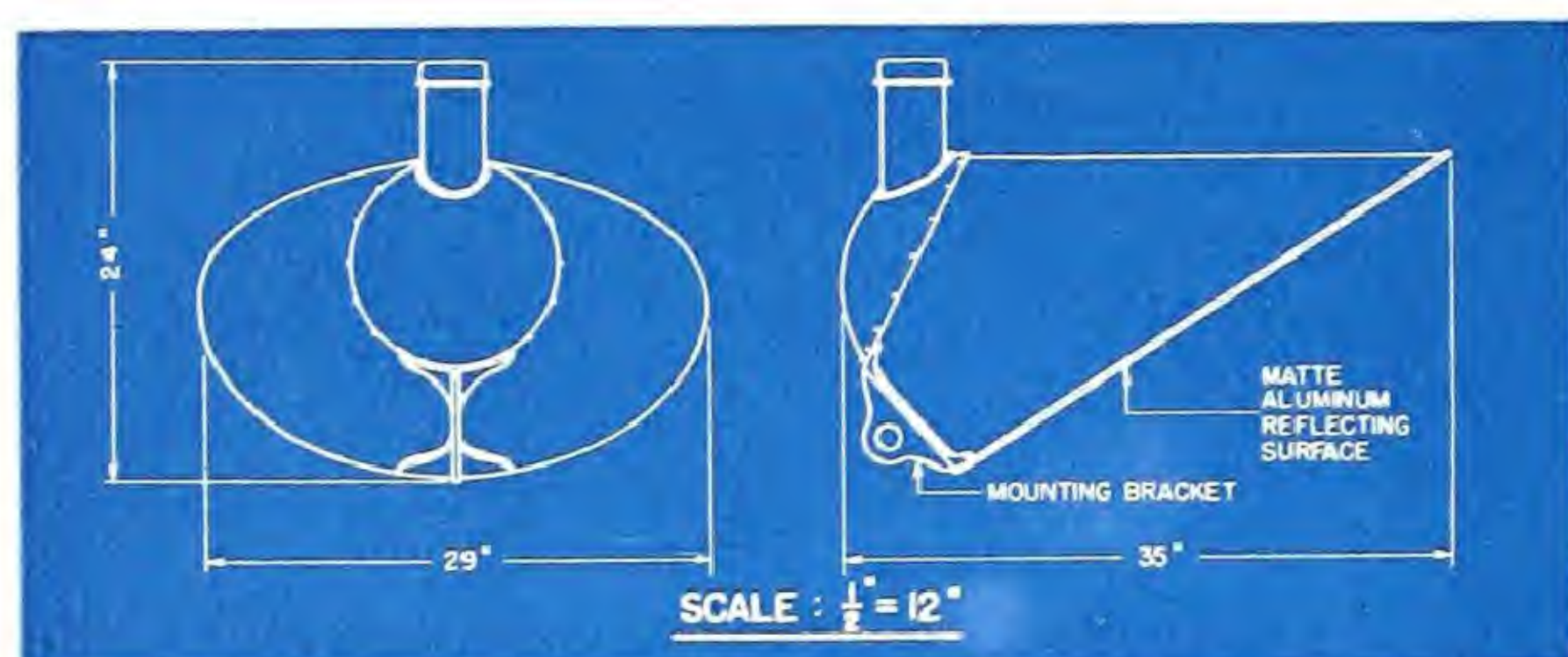
Purpose Long Range — Wide Spread Beam



Cat. No. 1500

Alumilite floodlight. Body of sheet aluminum with matte finish. Bronze castings and aluminum backing. Equipped with adjustable flange bracket or pipe fitting. Wired with 2 outlets to receive 750 to 2000 watt PS lamps. Opening 37 1/2" x 29". Weight 40 lbs.

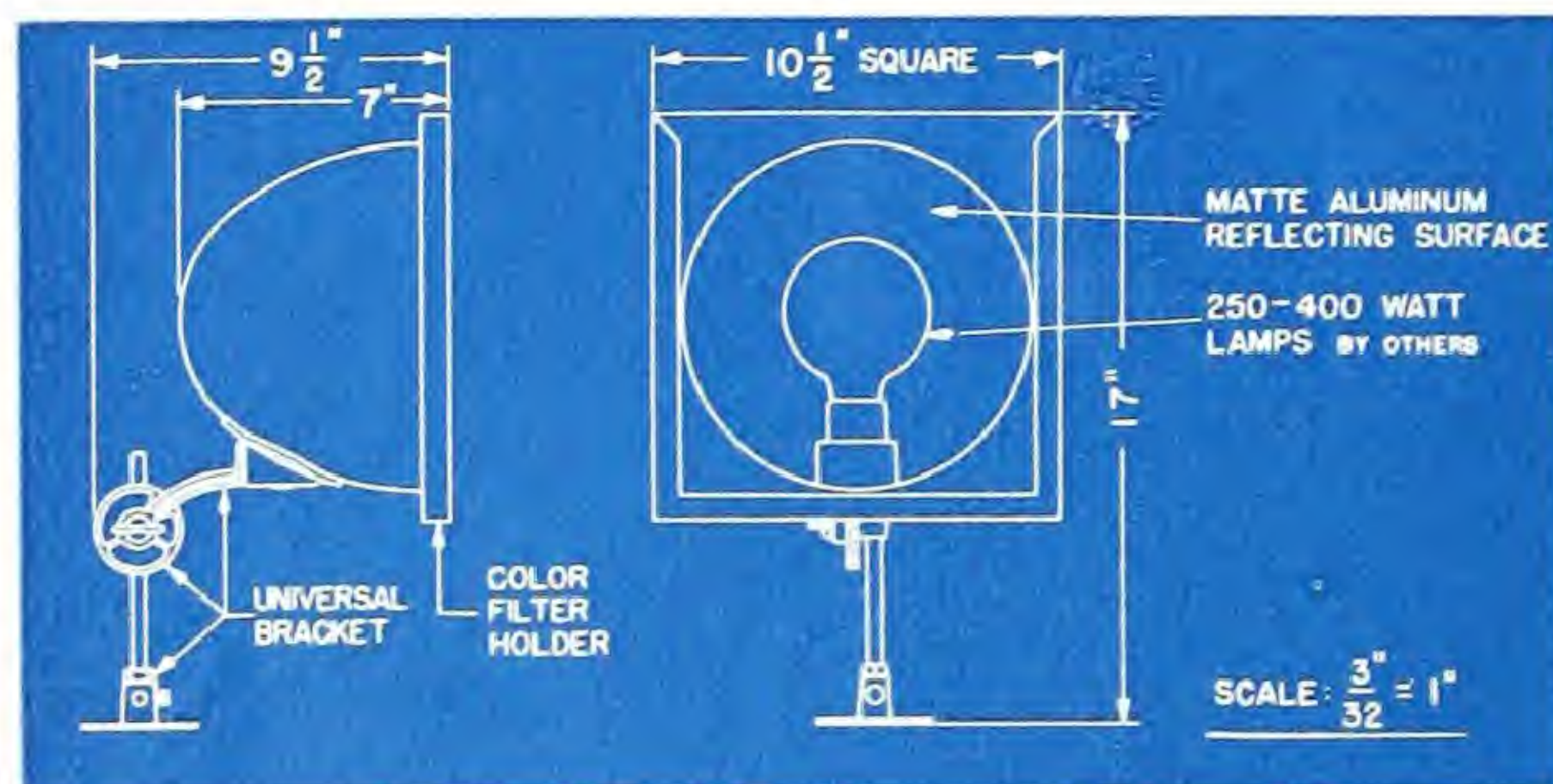
List Price \$80.00



Cat. No. 1550

Sentrylite floodlight. Body of sheet aluminum with matte finish. Bronze castings and aluminum backing. Equipped with adjustable flange bracket or pipe fitting. Wired with one outlet to receive 750 to 2000 watt PS lamp. Opening 33 1/2" x 29". Weight 20 lbs.

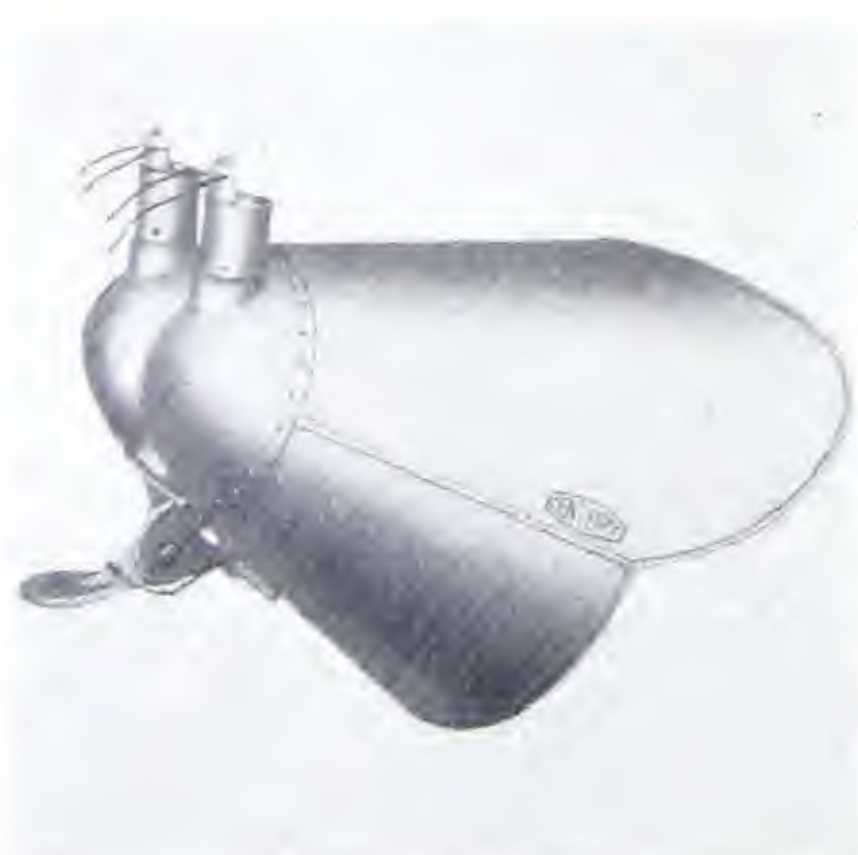
List Price \$40.00



Cat. No. 2927

Wizardlite floodlight. Body of spun aluminum with matte finish inside. Black crystal finish outside. Furnished with universal flange for flat surface attachment. Wired with one outlet to receive 250 to 400 watt G 30 Stereo or Floodlight filament lamp; or 500 watt tubular shaped Stereo filament lamp. Equipped with 2 ft. rubber cable and moulded plug. Weight 2 lbs.

List Price \$ 7.50



1500



2927



1550

FLOODLIGHTS

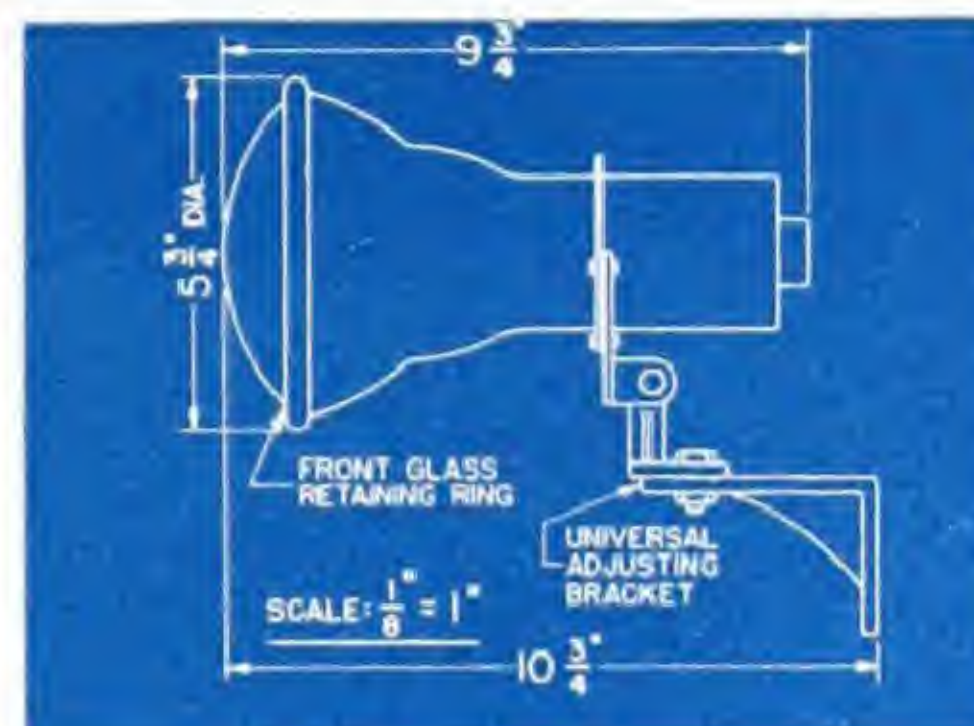
OUTDOOR USE

Purpose: Long Range — Narrow Spread Beam

Cat. No. 2928

100 watt 6" diameter — Alzak Reflector which acts as unit housing. Weatherproof socket wired to receive A type lamp. Furnished with 2 ft. rubber lead. Universal rust-proof Bracket. Heat resisting clear glass front with Clamp Ring Holder.

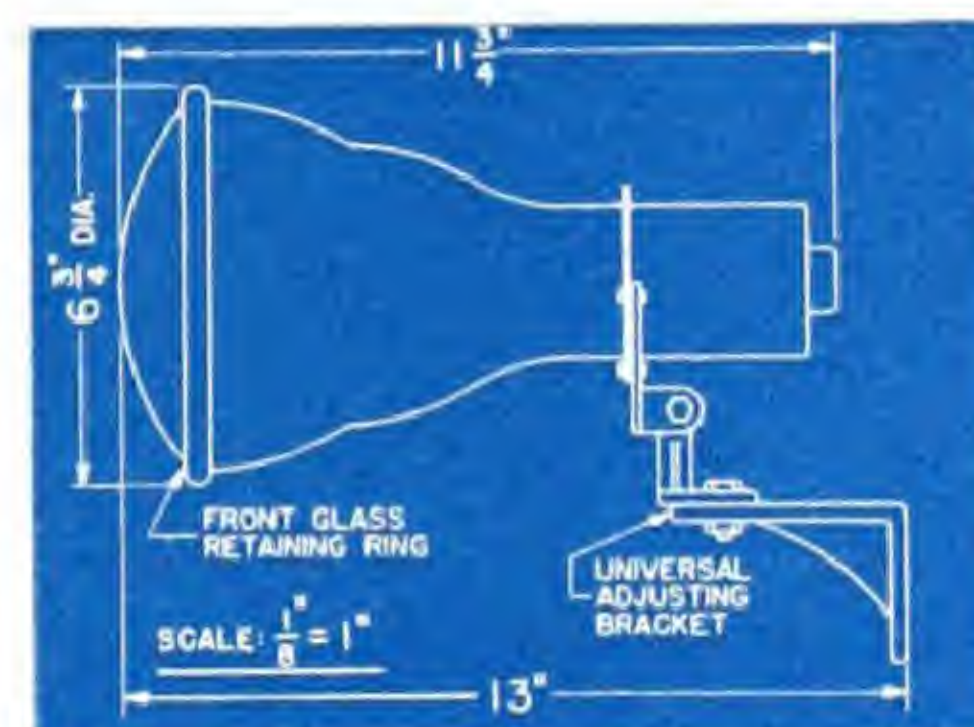
List Price \$ 9.50



Cat. No. 2920

200 watt 7" diameter — Alzak Reflector which acts as unit housing. Weatherproof socket wired to receive PS type lamp. Furnished with 2 ft. rubber lead. Universal rust-proof Bracket. Heat resisting clear glass front with Clamp Ring Holder.

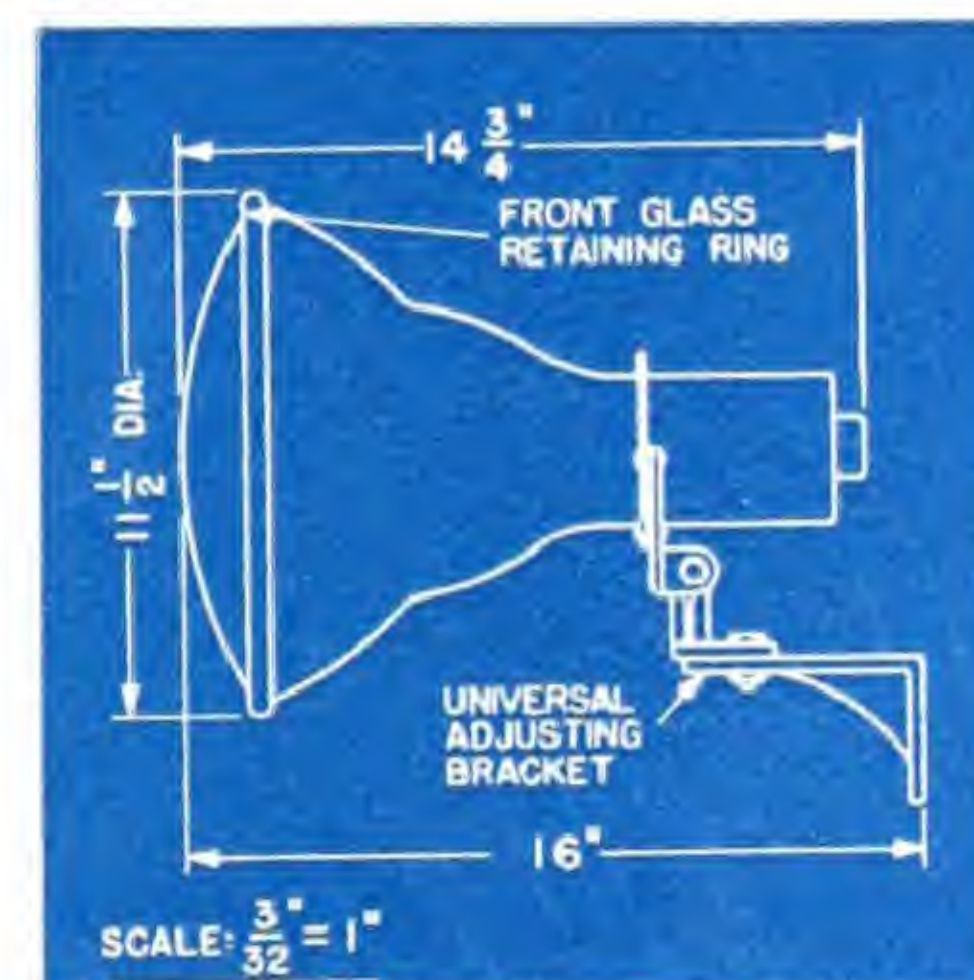
List Price \$14.50



Cat. No. 2921

300-500 watt 11 1/2" diameter — Alzak Reflector which acts as unit housing. Weatherproof socket wired to receive A type lamp. Furnished with 2 ft. rubber lead. Universal rust-proof Bracket. Heat resisting clear glass front with Clamp Ring Holder.

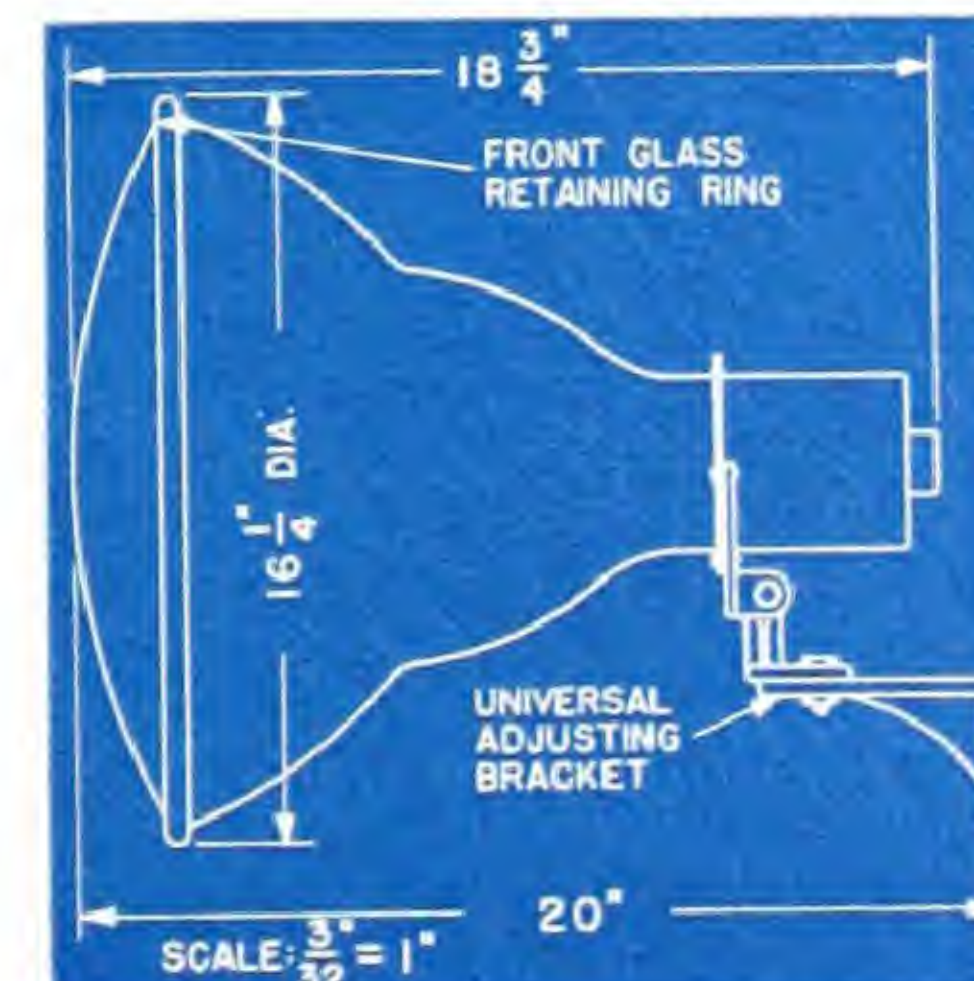
List Price \$28.00



Cat. No. 2922

1000 watt 16" diameter — Alzak Reflector which acts as unit housing. Weatherproof socket wired to receive A type lamp. Furnished with 2 ft. rubber lead. Universal rust-proof Bracket. Heat resisting clear glass front with Clamp Ring Holder.

List Price \$38.00

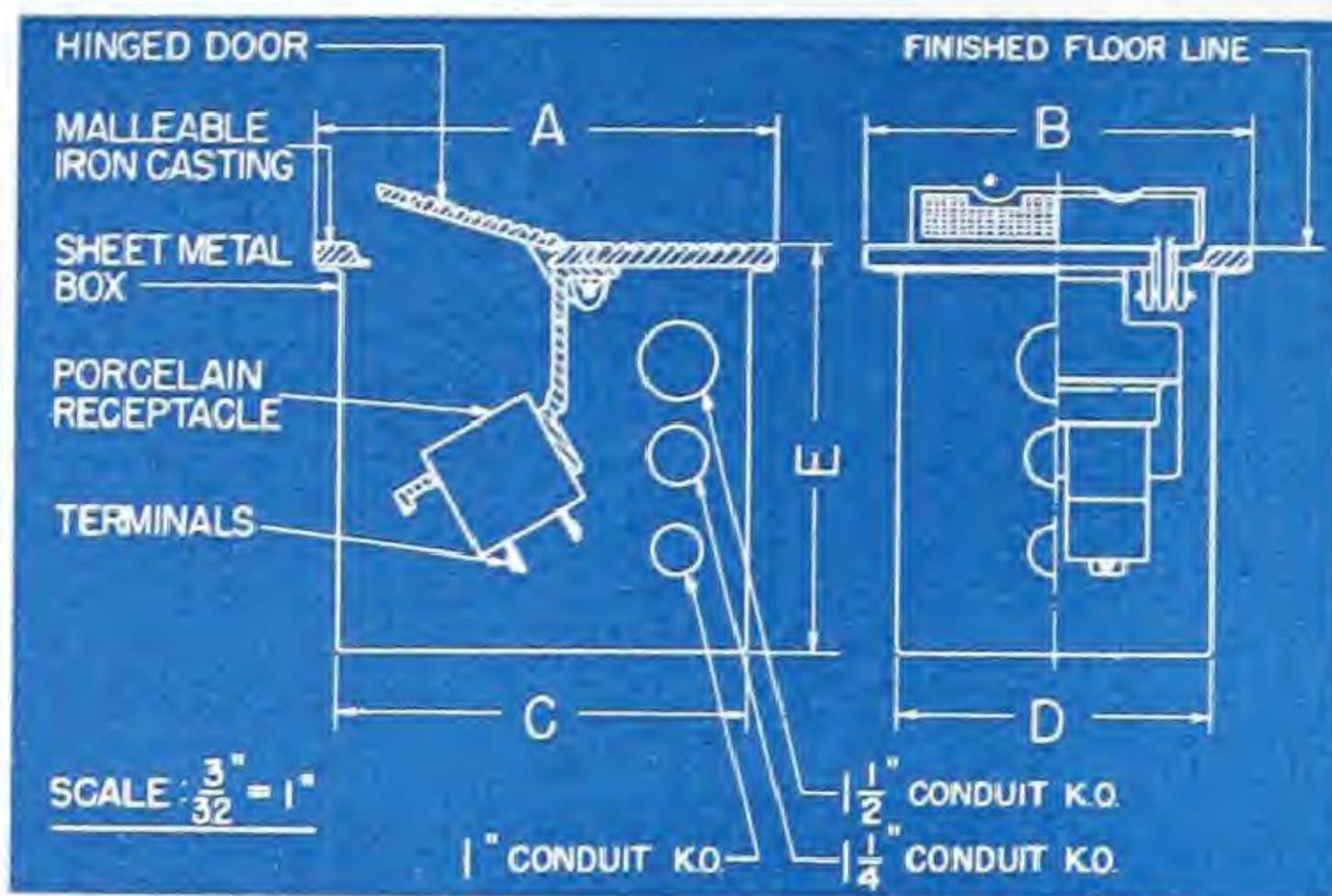


FLUSH TYPE POCKETS

LISTED BY UNDERWRITERS' LABORATORIES

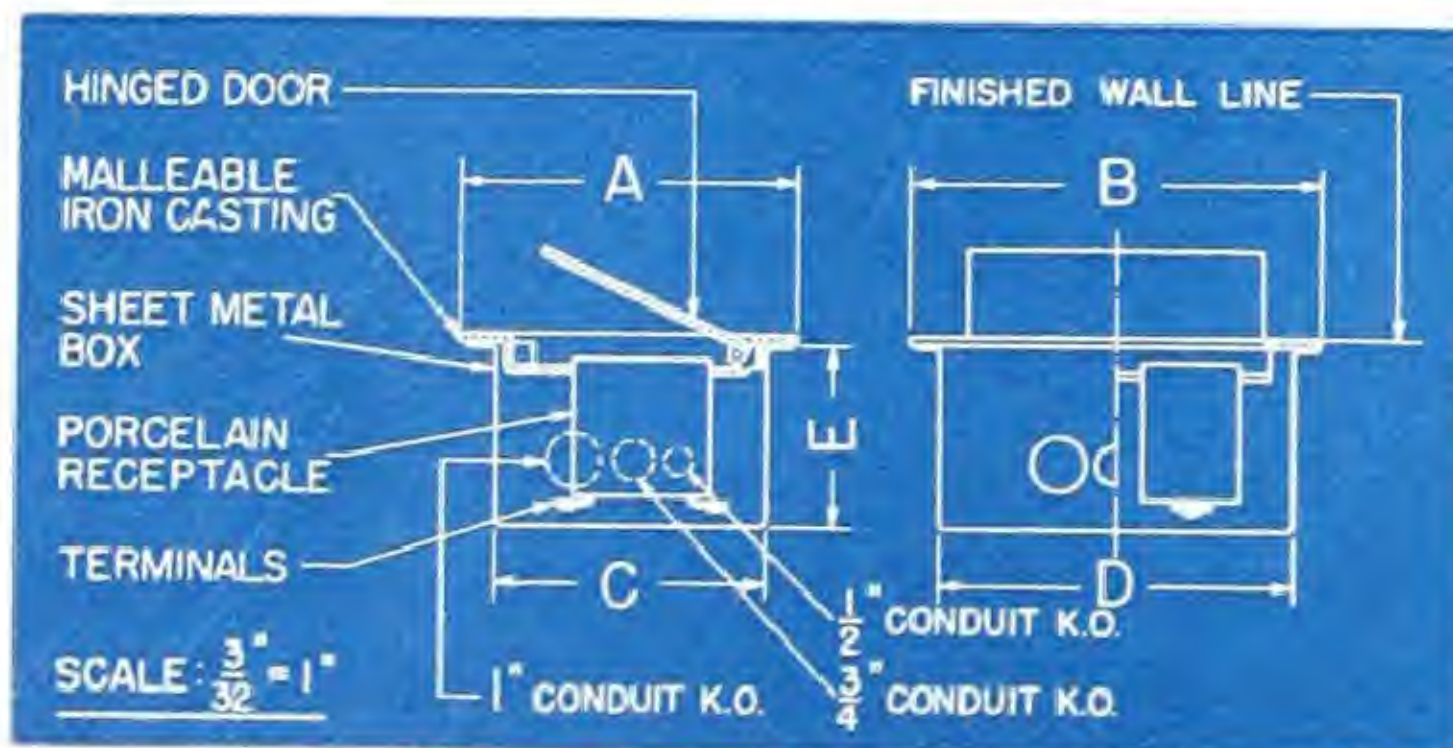
Used as means for making temporary heavy connections. All units are rated at 50 amperes, 250 volts. Special sizes to order.

FLOOR TYPE



Cat. No.	Description	A	B	C	D	E	List Price
3091	1 way & plug	11 1/8"	6 3/8"	9 7/8"	5 1/8"	9 3/4"	\$10.00
3092	2 way & plugs	11 1/8"	9 1/4"	9 7/8"	7 3/8"	9 3/4"	16.00
3093	3 way & plugs	11 1/8"	12"	9 7/8"	10 1/2"	9 3/4"	21.00
3094	4 way & plugs	11 1/8"	14 1/2"	9 7/8"	13 3/16"	9 3/4"	28.00

WALL TYPE



Cat. No.	Description	A	B	C	D	E	List Price
3101	1 way & plug	7 1/4"	5 3/4"	5 3/4"	4 1/2"	4 1/4"	\$10.00
3102	2 way & plugs	7 3/8"	9"	6"	7 1/2"	4 1/4"	16.00
3103	3 way & plugs	7 3/8"	10 1/2"	6"	9"	4 1/4"	21.00
3104	4 way & plugs	7 3/8"	12 1/2"	6"	11"	4 1/4"	28.00

Key and lock at extra cost

EXIT SIGNS

SURFACE TYPE

Sliding Panels. 8" Letters. Ruby Glass. White Etched Letters



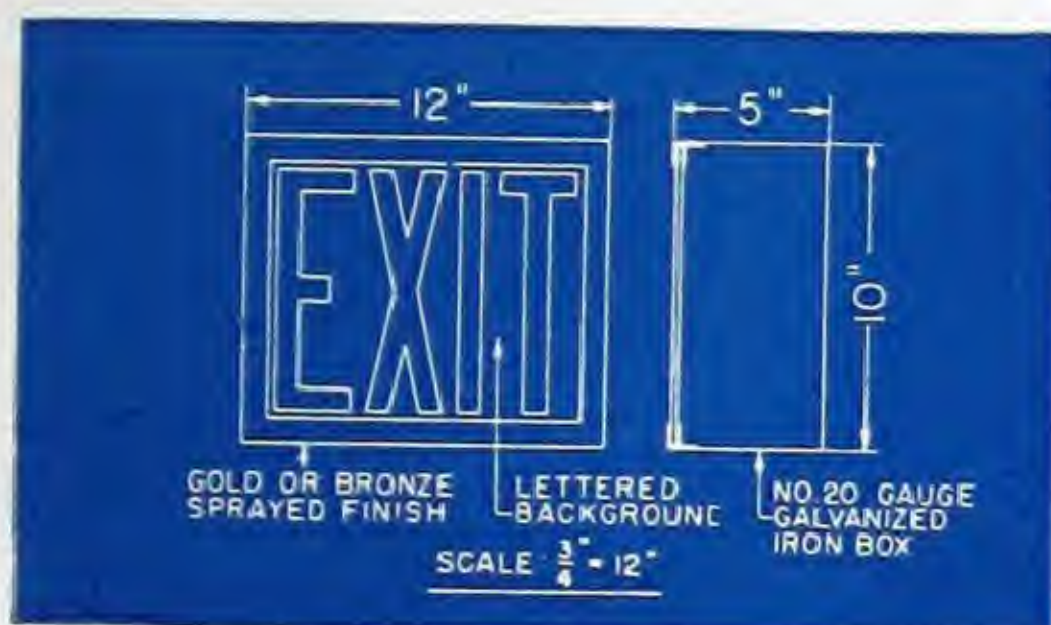
Cat. No. 2280

Single Face
Reading: EXIT and number
Gold or Bronze sprayed box
List Price \$ 8.50



Cat. No. 2281

Double Face
List Price \$17.00



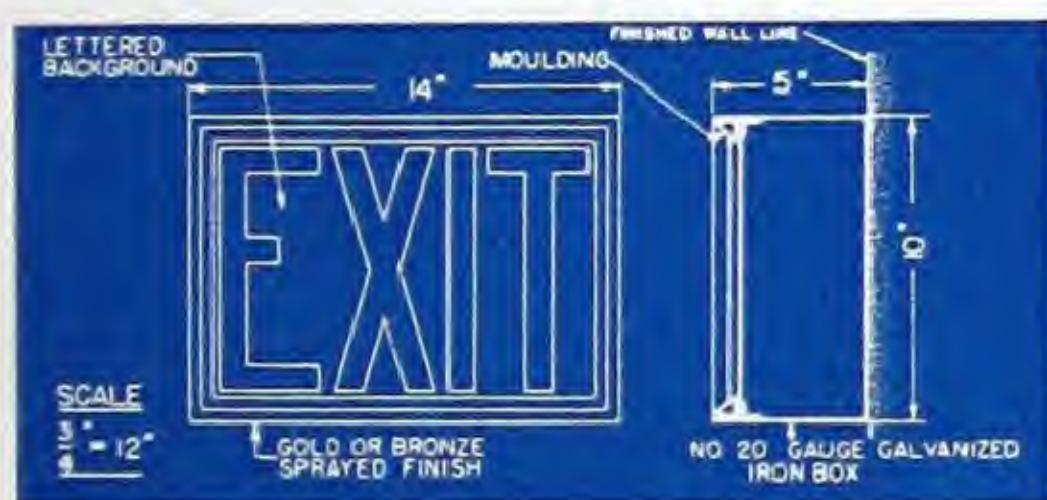
Cat. No. 2270

Single Face
Reading: EXIT
Gold or Bronze sprayed box
List Price \$ 4.75



Cat. No. 2271

Double Face
List Price \$ 9.50



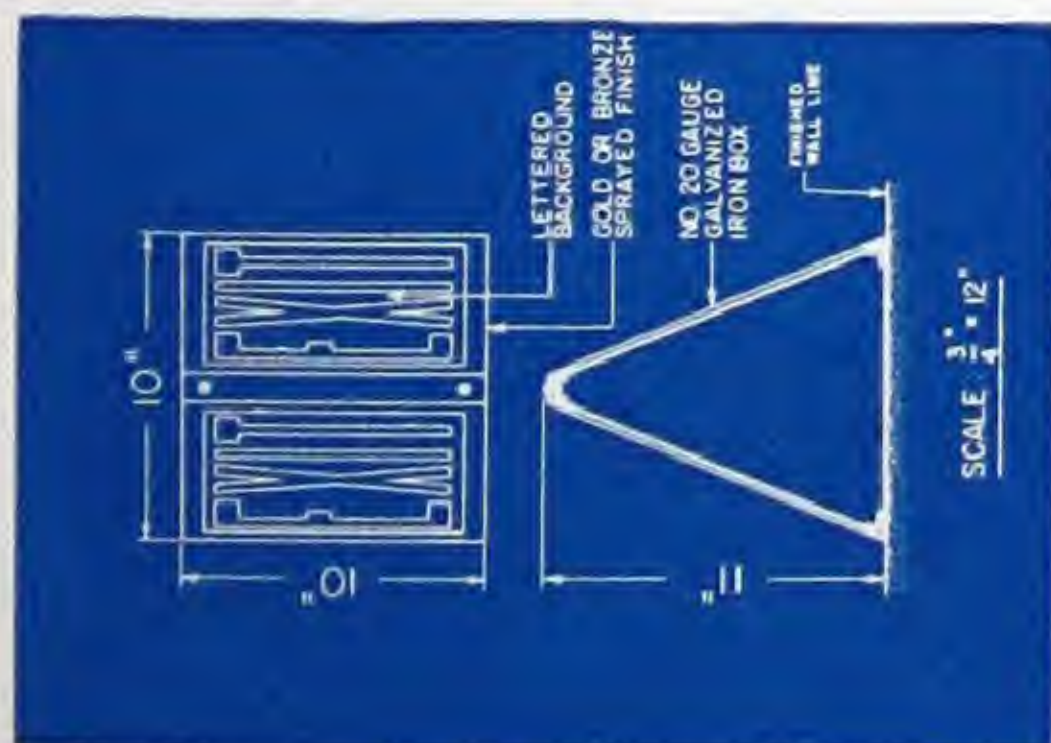
Cat. No. 2273

Single Face
Reading: EXIT
Gold or Bronze sprayed box
with front moulding
List Price \$16.25



Cat. No. 2274

Double Face
List Price \$30.00



Cat. No. 2272

Double Face
Reading: EXIT
Gold or Bronze sprayed triangular
box
List Price \$12.00



SPECIAL DESIGN AND WORDING TO ORDER

EXIT SIGNS

FLUSH TYPE — RUBY GLASS



Cat. No. 2295

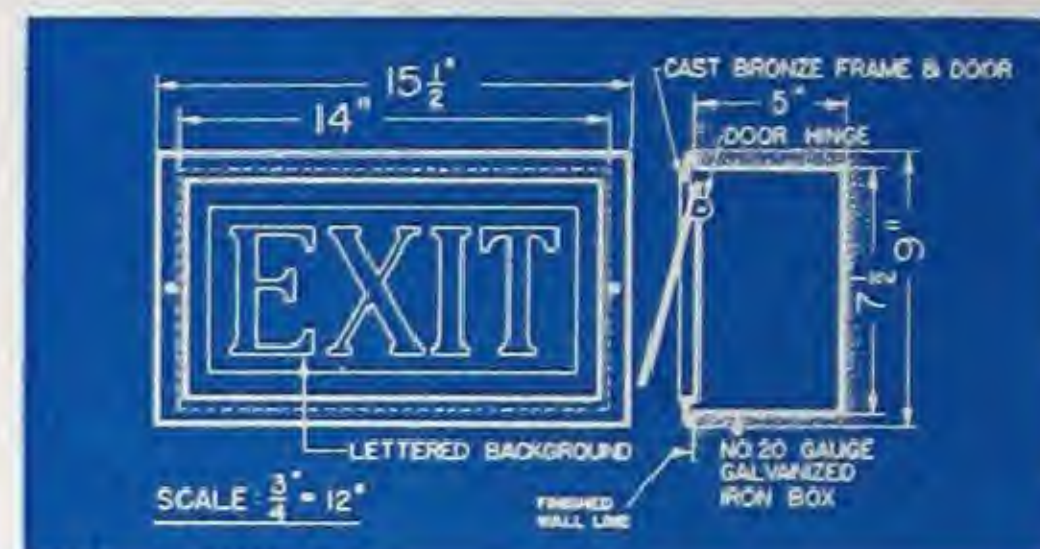
Glass face. 4" letters. Cast bronze hinged front door. Ruby glass with etched white letters.

List Price \$14.00

Cat. No. 2291

Metal face. 4" letters.

List Price \$16.00



Cat. No. 2298

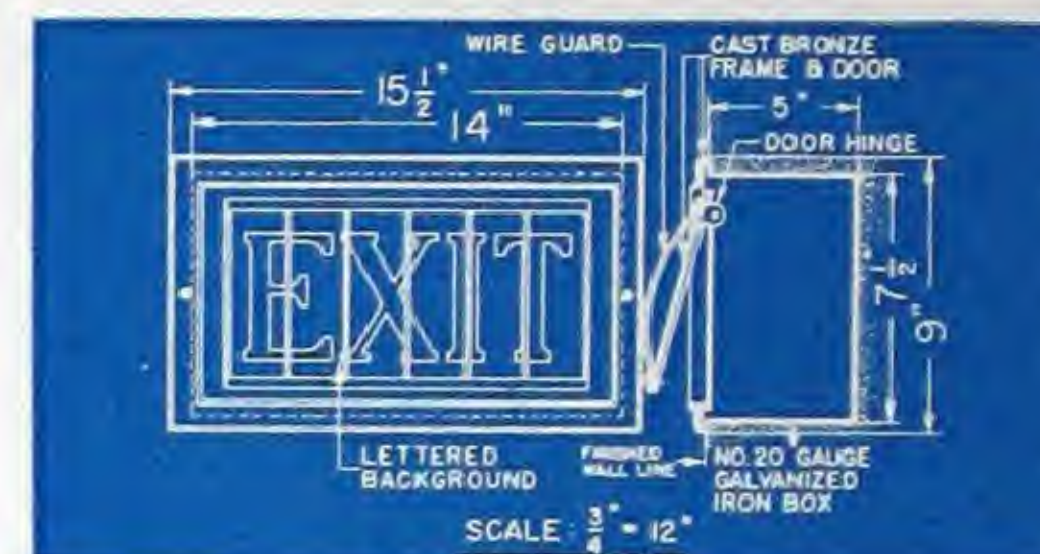
Glass face. 4" letters. Cast bronze hinged front door with wire guard. Ruby glass with etched white letters.

List Price \$17.00

Cat. No. 2293

Metal face. 4" letters.

List Price \$19.00



Cat. No. 2297

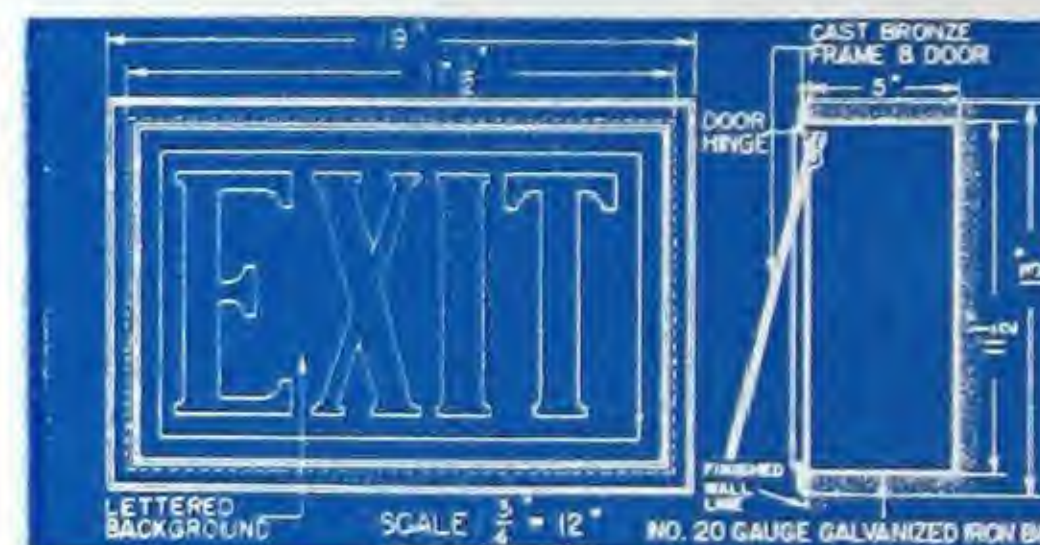
Glass face. 8" letters. Cast bronze hinged front door. Ruby glass with etched white letters.

List Price \$20.00

Cat. No. 2292

Metal face. 8" letters.

List Price \$22.50



Cat. No. 2299

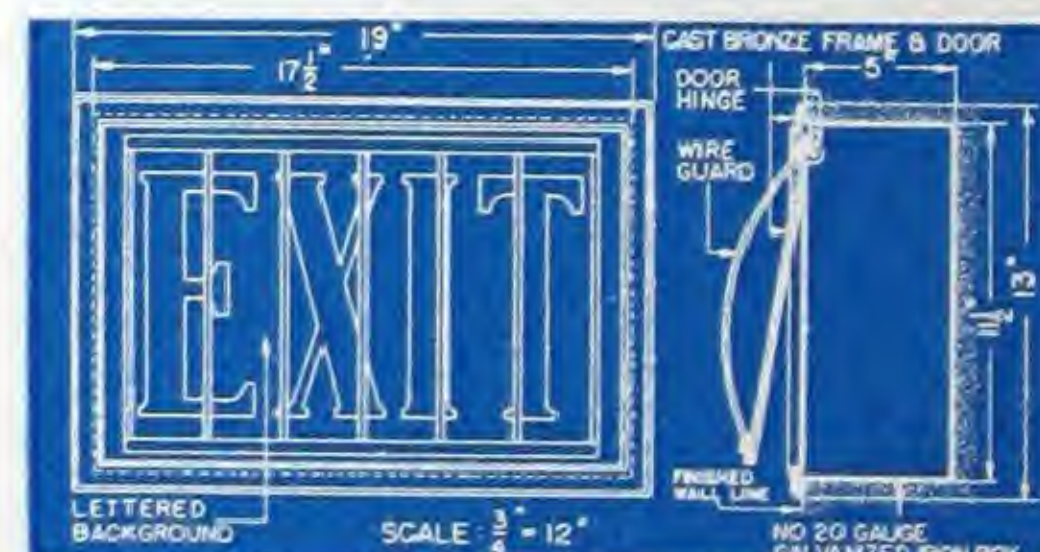
Glass face. 8" letters. Cast bronze hinged front door with wire guard. Ruby glass with etched white letters.

List Price \$23.00

Cat. No. 2294

Metal face. 8" letters.

List Price \$25.50



Cat. No. 2296

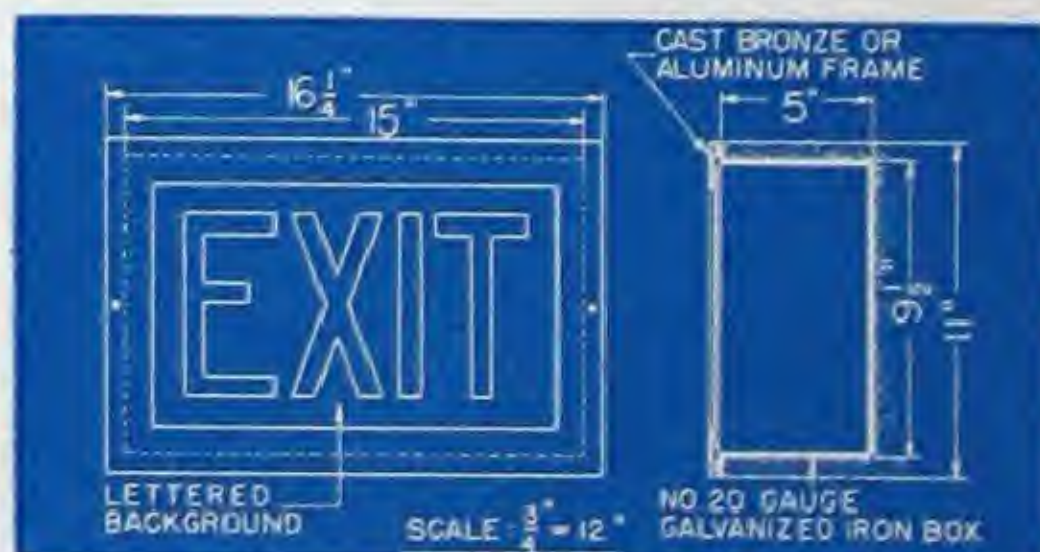
Metal face with ruby glass backing. Metal screw front. 6" letters.

List Price \$15.00

Cat. No. 2289

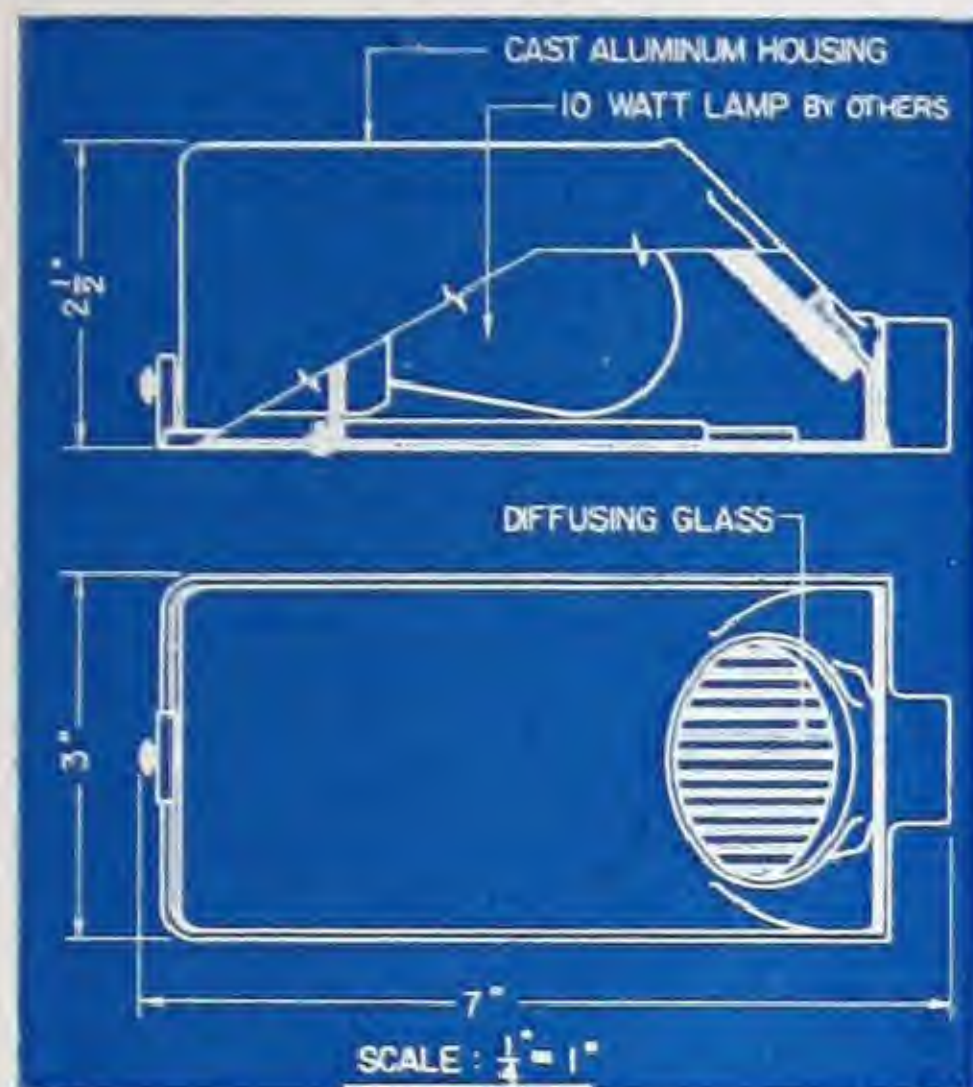
Metal face. 8" letters.

List Price \$18.00



DIFFERENT COLORED GLASS AVAILABLE UPON REQUEST

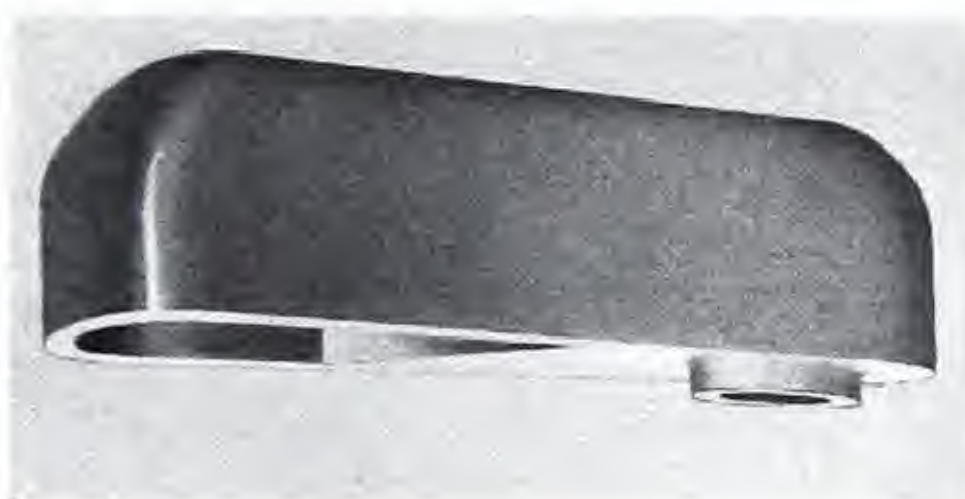
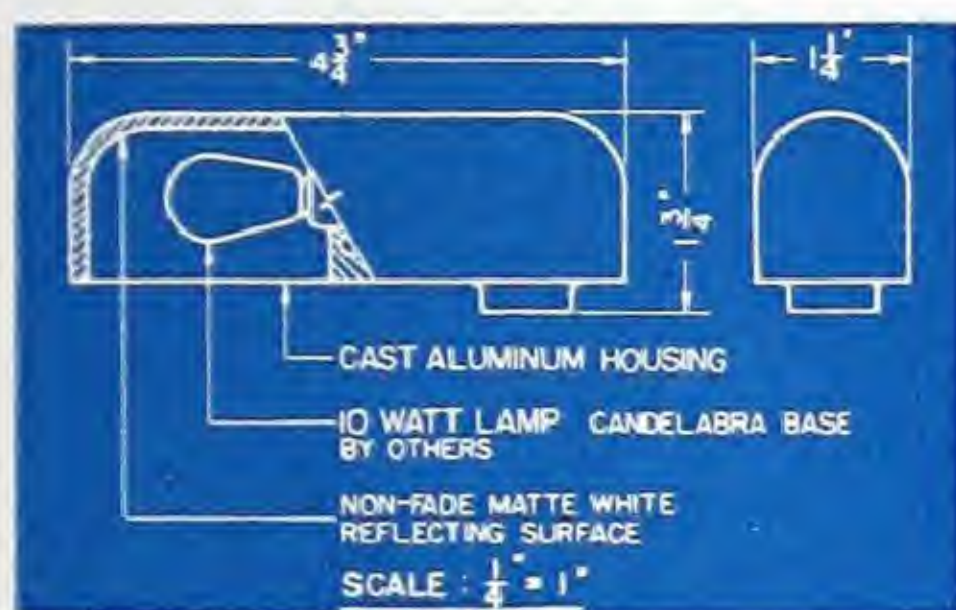
AISLE, STEP AND PILOT LIGHTS



Century aisle and step lights can be easily concealed. Code gauged steel structure assures withstanding hard usage. Access to wires is simplified by quickly removable cover. Medium base receptacle is furnished. Louvre arrangement distributes light downward and conceals light source.

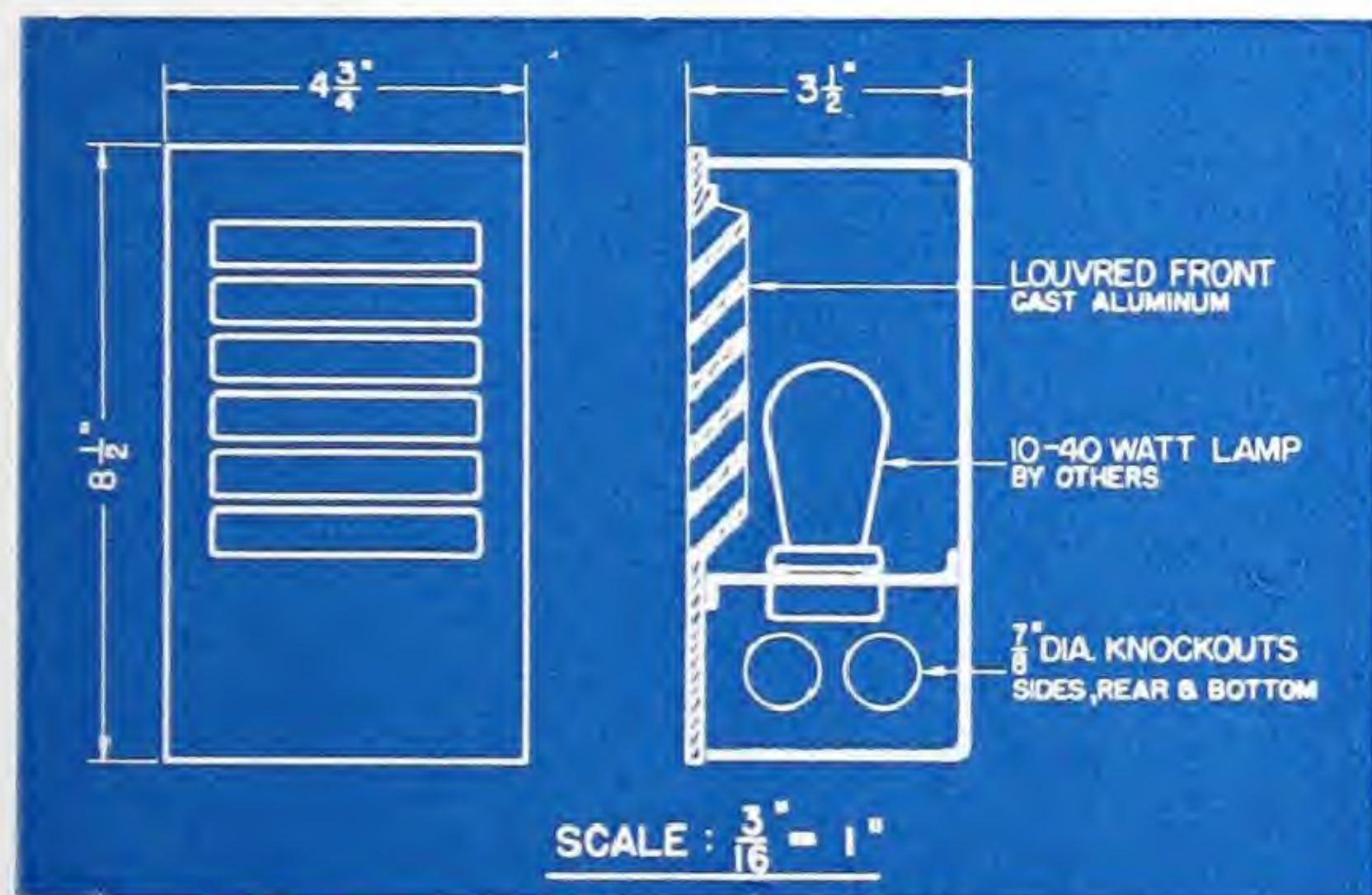
Cat. No. 2302

List Price \$4.50



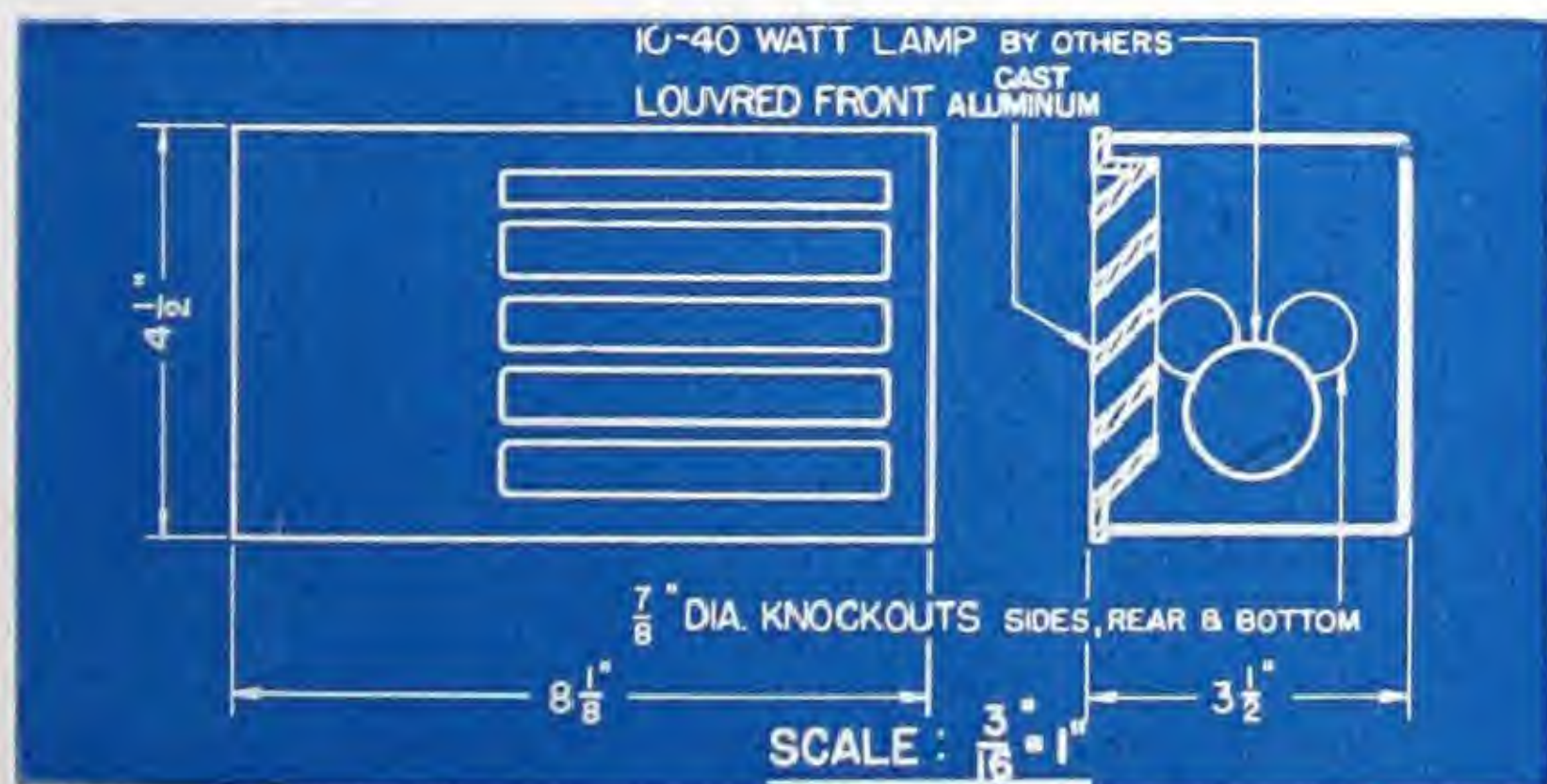
Cat. No. 2304

List Price \$2.50



Cat. No. 2301

List Price \$5.00



Cat. No. 2300

List Price \$5.00

MUSIC LIGHTS



<u>Cat. No.</u>	<u>Description</u>	<u>List Price</u>
2150	Mahogany Lyre. Telescopic stand. 20" x 15" rack. Angular adjustment music rest. Pull chain socket light fixture. Round wood base stand. 8 ft. wire. Weight: 21 lbs.	\$23.00
2151	Leader Stand. Metal box. Gold sprayed finish frame. 24" x 15" box. Angular adjustment rack. Pull chain socket light fixture. Tripod base with 2 to 4 ft. telescopic stand. 8 ft. wire. Weight: 21 lbs.	\$14.00
2152	Oak wood frame. 20" x 15" wood rack. Angular adjustment for music rest. Pull chain socket light fixture. Tripod base with 2 to 4 ft. telescopic stand. 8 ft. wire. Weight: 21 lbs.	\$ 9.50
2153	Leader Stand. Metal box. Gold or bronze finish. Telescopic music rest 24" x 14". Adjustable light fixture. Pull chain socket light fixture. Round wood base stand. 8 ft. wire. Weight: 26 lbs.	\$22.00
2154	Leader Stand. Deep metal box. Gold or bronze finish. Pull chain socket light fixture. Round wood base stand. 8 ft. wire. Weight: 30 lbs.	\$28.00
2155	Oak wood frame. 20" x 15" rack. Angular adjustment music rest. Tripod base with 2 to 4 ft. telescopic stand. 8 ft. wire. Weight: 13 lbs.	\$ 8.00

WORK AND CLEANER LIGHTS

Century Work and Cleaner Lights are portable. Lightweight, adjustable, easy to handle, especially useful for auditoriums, garages and factories.



2350

Mounted on 3 ft. telescopic stand with cluster receptacle for 5 lamps with guard for protection of bulbs. With Reflector.

List Price \$10.00



2355

Mounted on 3 ft. telescopic stand with single lamp receptacle. Single outlet.

List Price \$5.50

Superservice Cable extra.

LENSES

CENTURY lenses are commercially accurate. Checked against imperfection. Standard sizes in stock. Special sizes to order.

OBJECTIVE LENSES



To determine correct focal length please state:

- a. Distance of machine from screen
- b. Size of image desired

Long throw lenses 14" to 30" focus \$25.00

Wide angle lenses 3" to 12" focus 18.00

CONDENSING LENSES

NON-HEAT RESISTING

Diameter	Focus	List Price
4 1/2"	6 1/2"	\$ 1.10
4 1/2"	7 1/2"	1.10
5"	8"	1.80
5"	9"	1.80
5"	12"	1.80
6"	7 1/2"	3.75
6"	9"	2.50
6"	10"	2.50
6"	12"	2.50
8"	10"	7.50
8"	12"	7.50
8"	14"	7.50

HEAT RESISTING

Diameter	Focus	List Price
5"	7"	\$ 9.00
5"	8"	7.50
5"	9"	7.50
5"	10"	7.50
6"	8"	12.00
6"	9"	10.50
6"	10"	10.50
6"	12"	10.50
6"	14"	10.50
8"	10"	21.00
8"	12"	21.00
8"	14"	21.00

CONDENSING LENS AND FRAME HOLDER



CENTURY condensing lens and frame holders are grooved to take a 5" condensing lens. Used in conjunction with proper projection of effects.

Cat. No. 2550 Condensing Lens and Frame Holder

List Price \$8.50

HEAT RESISTING FRESNEL LENSES

Diameter	List Price
6"	\$ 7.50
8"	10.00
10"	15.00
14"	25.00
20"	60.00

SLIDE CARRIER AND HOLDER



CENTURY Slide Carrier and Holders are arranged to hold lantern slides. Constructed to fit standard condensing lens frames.

Cat. No. 2555 Slide Carrier and Holder

List Price \$5.00

SCENIC PROJECTED EFFECTS



CENTURY effects are artistically painted on mica with non-fading paints. They are housed in metal spun cases of 20" diameter and equipped with clock works. Add \$20 to list price for motor driven effects.

No. 2375—American Flag Waving, slide with Moving Disc	\$35.00
No. 2377—American Flag, slide only, hand painted	8.00
No. 2378—Aurora Borealis, 4 slides, color wheel, clockwork	52.00
No. 2380—Aurora Borealis Rays, double disc, hand movement	52.00
No. 2381—Blizzard Effect, single disc with slides, clock work	77.50
No. 2382—Cyclone Effect with flying objects, single disc	85.00
No. 2385—Falling American Flags, single disc	115.00
No. 2386—Falling Flower Effect, single disc	115.00
No. 2388—Falling leaves, single disc	92.00
No. 2389—Falling Roses, single disc	115.00
No. 2390—Fireworks, bursting shells with falling colored stars	72.00
No. 2392—Fireworks, ascending rockets, bursting shells for 2 machines ..	115.00
No. 2393—Fire Effect, single disc	72.50
No. 2395—Fire and Smoke, double disc	115.00
No. 2396—Flying Birds or Butterflies, glass	115.00
No. 2398—Fog Effect	67.00
No. 2399—Forest Fire, panorama, single disc	85.00

No. 2400—Forest Fire, panorama, double disc	120.00
No. 2401—Inferno, double disc	115.00
No. 2403—Lava with mountain slide	72.00
No. 2404—Lighting, zigzag (slide), cut in brass, various designs	27.00
No. 2407—Moonlight ripple	58.00
No. 2408—Moving clouds with flying aeroplanes or birds, double disc	115.00
No. 2410—Moving clouds with rising moon or setting sun	85.00
No. 2412—Moving clouds with stationary moon or sun	77.00
No. 2413—Moving Fleecy Clouds	80.00
No. 2414—Moving Storm Clouds	72.50
No. 2415—Moving clouds with moving water, double disc	115.00
No. 2416—Ocean ripple	62.50
No. 2418—Ocean waves	72.50
No. 2419—Panorama, any subject, moving, single disc	On application
No. 2420—Panorama, any subject, moving, double disc, operating on 2 speeds	115.00
No. 2422—Panorama, moving forest, winter scene or summer scene, single disc	115.00
No. 2425—Panorama, moving freight cars..	125.00
No. 2428—Rain effect	77.00
No. 2430—Rain of fire	72.00
No. 2431—Rainbow slide	5.50
No. 2532—Rising or setting moon or sun	62.00
No. 2433—Rising or setting moon with stationary clouds	92.00
No. 2435—Sand storm, single disc	72.50
No. 2436—Sand storm, double disc	92.50
No. 2437—Slides — special, hand painted to specifications	On application
No. 2439—Smoke effect on single disc	72.50
No. 2440—Smoke effect on double disc	105.00
No. 2441—Snow effect	67.00
No. 2442—Snow Storm, two discs	135.00
No. 2443—Stars, slide showing field of stars	7.50
No. 2444—Stars, twinkling, hand movement	7.50
No. 2446—Surf of sea waves	62.00
No. 2448—Surf of rough waves	62.00
No. 2450—Swimming fish in running water, double disc	115.00
No. 2451—Twinkling Man in Moon effect ..	18.50
No. 2452—Volcano eruption, single disc	72.50
No. 2453—Waterfall, single disc with slide	72.50
No. 2454—Water ripple	58.00

STATE WHETHER CURRENT IS ALTERNATING OR DIRECT

HEAT RESISTING COLORED GLASSES

Colors are guaranteed to withstand severe heat. The filters are mounted in special holders which are calculated for maximum heat expansion and contraction. Colors are of permanent brilliance.

Cat. No.	Color	Cat. No.	Color
130	Pink Violet	157	Green
133	Blue Violet	160	Straw
136	Dark Violet	162	Light Amber
140	Light Blue	164	Gold Amber
143	Medium Blue	166	Dark Amber
146	Dark Blue	170	Light Pink
149	Cyan Blue	172	Medium Pink
152	Blue Green	174	Rose Pink
154	Yellow Green	176	Red

Holders furnished with any of the above Glasses.

Lekolites		Fresnelites		Spotlights	
4 1/2"	3.00	6"	3.50	3"	2.00
6"	3.50	8"	6.00	4"	2.50
8"	6.00	10"	15.00	4 1/2"	3.00
				5"	3.25
				6"	3.50
				8"	6.00

COLOR CAPS

CENTURY color caps are of standard shades. Made of natural colored glass. With aid of spring catch holder they fit standard Edison 100 to 500 watt pear shape bulbs. Furnished with spill shields at additional cost.

Lamp Size	Price of Glass
100-150	\$1.50
200-300	1.70
300-500	3.00
Lamp Size	Price of Spill Shield
100-150	\$.65
200-300	.70
300-500	1.00

GELATINE MEDIUMS

Universal numeral and color designation. Size of sheet: 19" x 21".

Cat. No.	Shade	Cat. No.	Shade
G 1	Frost	G 37	Dark Blue
G 2	Light Flesh Pink	G 38	Dark Navy Blue
G 3	Flesh Pink	G 39	Urban Blue
G 4	Medium Pink	G 40	Light Green Blue
G 5	Pink	G 41	Moonlight Blue
G 6	Rose Pink	G 42	Nile Blue
G 7	Dark Rose Pink	G 43	Light Blue Green
G 8	Deep Pink	G 44	Medium Blue Green
G 9	Dubarry Pink	G 45	Blue Green
G 10	Light Magenta	G 46	Dark Blue Green
G 11	Medium Magenta	G 47	Light Green
G 12	Dark Magenta	G 48	Medium Green
G 13	Rose	G 49	Dark Green
G 14	Rose Purple	G 50	Light Lemon
G 15	Dark Rose Purple	G 51	Medium Lemon
G 16	Violet	G 52	Dark Lemon
G 17	Special Lavender	G 53	Very Light Straw
G 18	Medium Lavender	G 54	Light Straw
G 19	Dark Lavender	G 55	Medium Straw
G 20	Light Purple	G 56	Dark Straw
G 21	Purple	G 57	Light Amber
G 22	Royal Purple	G 58	Medium Amber
G 23	Medium Purple	G 59	Amber
G 24	Dark Purple	G 60	Dark Amber
G 25	Daylite Blue	G 61	Orange
G 26	Light Sky Blue	G 62	Light Scarlet
G 27	Light Blue	G 63	Special Light Red
G 28	Light Navy Blue	G 64	Light Red
G 29	Special Steel Blue	G 65	Medium Scarlet
G 30	Light Blue Special	G 66	Pink Red
G 31	Medium Sky Blue	G 67	Fire Red
G 32	Medium Blue Special	G 68	Pure Red
G 33	Medium Blue	G 69	Special Chocolate
G 34	Medium Navy Blue	G 70	Chocolate
G 35	Dark Sky Blue	G 75	Grey
G 36	Non Fade Blue		

Price: 12c per sheet.

Packing Charge: 15c added to all orders under \$5.00

COLORINE

CENTURY colorine is a chemical solution used for coloring bulbs. Furnished with dipping can in quart size. Recommended for use on bulbs up to a maximum of 60 watts. Effect is translucent. Used for indoor work. Standard colors are:

Amber Blues Frost Green Yellow
Purple Pink Red Straw Lavender

Price: \$3.25 per quart

CENTURY WEATHER-PROOF COLORINE is opaque. Used for outdoors. Standard colors are:

Amber Blues Frost Green Yellow
Purple Pink Red Straw Lavender

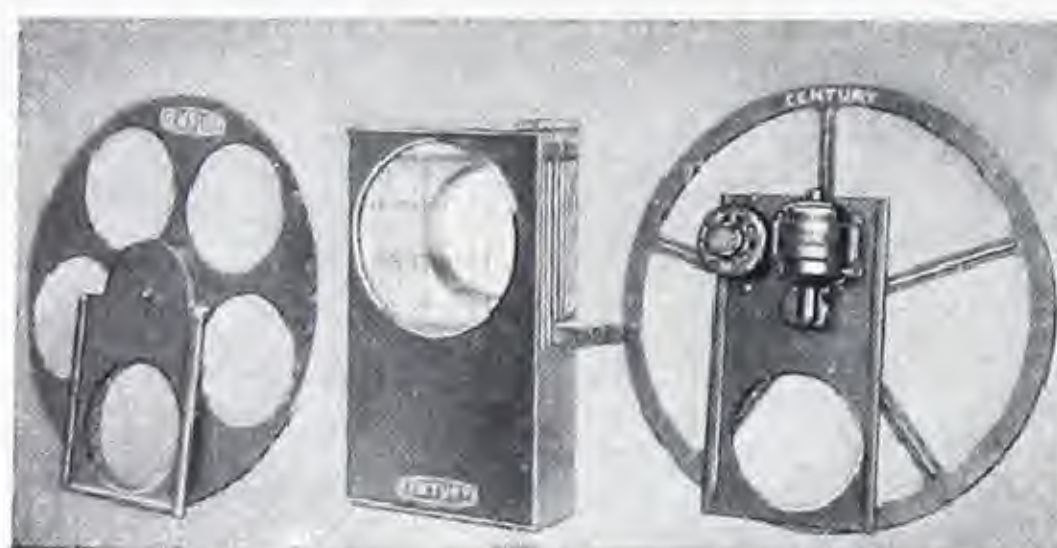
Price: \$3.25 per quart

CENTURY COLORINE REMOVER is a solution that quickly removes old colors from lamps.

Price: \$3.25 per quart

COLOR ROTARIES

These accessories are constructed with standard mounting for ready attachment to Lekolites, Fresnelites and conventional Spotlights.



2000 2026 2005

Cat. No.	Description	List Price	
		Hand Operated	Motor Driven
2000	5 openings to fit 4", 4 1/2", 5", 6" lens opening.....	\$ 5.00	\$50.00
2005	5 openings to fit 8" lens opening	11.00	70.00
2026	6 color Boomerang to fit 4", 4 1/2", 5", 6" lens opening.....	18.00	
2029	6 color Boomerang to fit 8" lens opening	35.00	

CENTURY CUTOFFS AND FUNNELS



Cat. No.	Description	List Price
2560	Shallow 4 way cutoff for 4 1/2" lens spotlight	\$3.50
2561	Shallow 4 way cutoff for 6" lens spotlight	4.00
2562	Effect cutoffs	2.00
2563	Shallow 4 way cutoff for 8" lens spotlight	4.50
2564	Funnel for 4 1/2" lens spotlight	2.50
2565	Funnel for 6" lens spotlight	3.00
2566	Funnel for 8" lens spotlight	3.50

CENTURY IRIS SHUTTERS

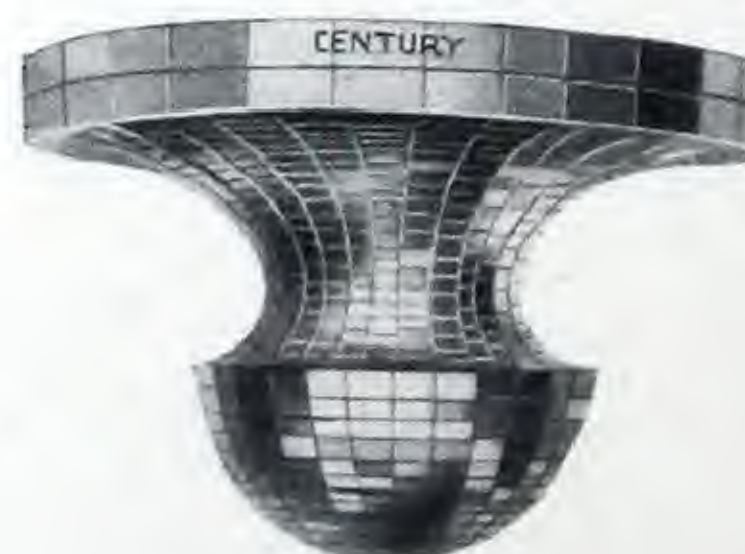


Cat. No.	Lens Size	List Price
2575	4 1/2"	\$12.00
2576	6"	15.00
2577	8"	22.00
2578	5"	15.00

CENTURY ROTARY COLOR CHANGING DEVICES



2145



2143

Cat. No.	Design	Dimensions		Weight	List Price
		Diameter	Height		
2120	Shower	30"	16"	47 lbs.	\$200.00
2130	Shower	36"	24"	54 lbs.	250.00
2143	Shower	40"	24"	60 lbs.	300.00
2145	Half Ball	20"	11"	35 lbs.	125.00

All of the above include either alternating or direct current self contained motor drive.

PORTABLE PLUG BOXES

IRONSIDES PLUG BOXES

Portable Type



CENTURY IRONSIDES portable plug boxes are rigidly constructed to withstand the severest usage on stage or while traveling. Heavy oak body. Self-closing laminated doors with reinforced hinges. Malleable iron steel front frames. Asbestos lining. Wired to interchange from link to cartridge fuses of 10 to 30 amperes per outlet. Slate paneled. Furnished with clamp device which holds cable securely without cutting it. Pockets of porcelain. Wired to take standard 50 ampere two wire stage plugs.

Two Wire Main—Two Wire Outlet Link or Cartridge Fuse Plug Boxes

No.	No. of Pockets	Amperes	Weight	Price
2952	2	10-30	11 lbs.	\$10.00
2954	4	10-30	18 lbs.	19.00
2956	6	10-30	25 lbs.	28.00
2958	8	10-30	32 lbs.	38.00

No plugs included

Three Wire 125 to 250 Volts Main—Two Wire Outlet Link Fused Plug Boxes

No.	No. of Pockets	Amperes	Weight	Price
2964	4	35 to 60	18 lbs.	\$21.00
2936	6	35 to 60	25 lbs.	31.50

No plugs included

STAGE PLUGS

The CENTURY plug is offered in standard type. A special feature in construction is the inserted steel nut at copper terminal. This prevents the stripping of copper that so commonly occurs. The structure of the unit complies with the code rule of the N. Y. Fire Underwriters and City Departments.



No. 3050

No. 3050—Stage Plug	\$2.00
No. 3050 1/2—Studio Type	1.50

PORCELAIN RECEPTACLES



CENTURY receptacles are of porcelain. Contact and lugs are of brass and made standard to fit plug boxes, wall pockets, floor pockets, dimmer boards and switchboards.

No. 3065—Century Porcelain Receptacle 50 amp. 2 wire, 250 volts \$1.50
(Heavy duty pockets: To order.)

ENCLOSED METAL SWITCH BOXES

CENTURY metal switch boxes are constructed of sheet steel. Outlet holes suit any requirements. Fibre cable clamps relieve connection strains. Two outside clamps insure rigid mounting. Fit 1" to 1 1/2" pipe. Edges all smoothly finished.



No. 3057



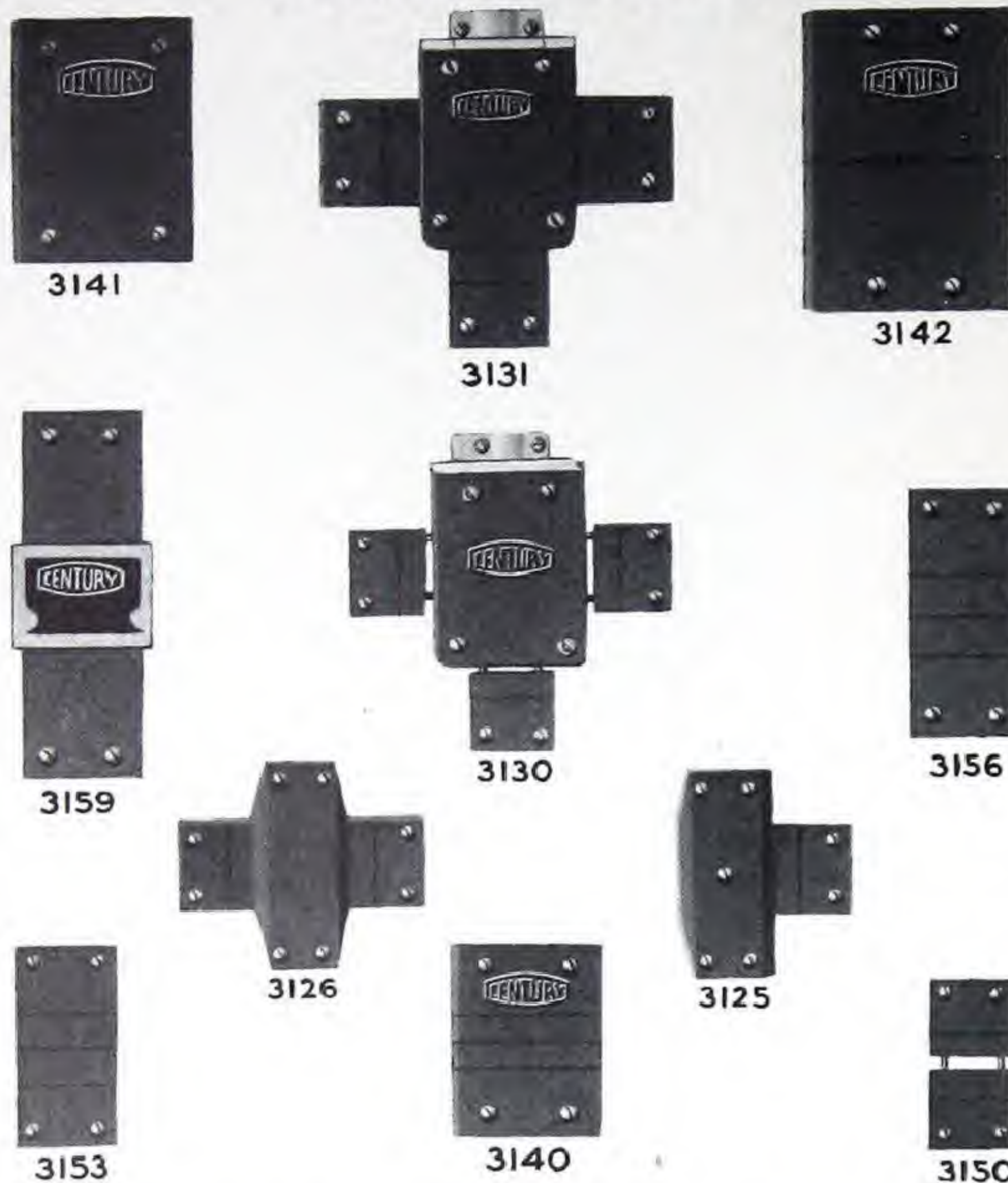
No. 3056



No. 3055

No. 3055—30 amp. D.P. switch in metal box with clamps to grip to 1 1/2" pipe	\$4.75
No. 3056—60 amp. D.P. switch in metal box with clamps to grip to 1 1/2" pipe	6.00
No. 3057—100 amp. D.P. switch in metal box with clamps to grip to 1 1/2" pipe	9.00

CONNECTORS



Cat. No.	Description	Ampere Capacity	Male	Female	Price
3125	Single Branchoff	5	Cable	Cable	\$2.75
3126	Double Branchoff	5	Cable	Cable	3.50
3130	Multiple Branchoff	5	Cable	Cable	3.60
3131	Multiple Branchoff	15	Cable	Cable	5.00
3140	Three Pole Connector	5	Cable	Cable	2.40
3141	Three Pole Connector	15	Cable	Cable	3.60
3142	Three Pole Connector	30	Cable	Cable	5.00
3143	Three Pole Connector	60	Cable	Cable	7.00
3150	Two Pole Connector	5	Cable	Cable	1.10
3151	Two Pole Connector	5	Asbestos	Cable	1.10
3152	Two Pole Connector	5	Asbestos	Cable	1.10
3153	Two Pole Connector	15	Cable	Cable	1.50
3154	Two Pole Connector	15	Asbestos	Cable	1.50
3155	Two Pole Connector	15	Asbestos	Asbestos	1.50
3156	Two Pole Connector	30	Cable	Cable	2.40
3157	Two Pole Connector	30	Asbestos	Cable	2.40
3158	Two Pole Connector	30	Asbestos	Asbestos	2.40
3159	Two Pole Connector	60	Cable	Cable	6.00
3160	Two Pole Connector	60	Asbestos	Cable	6.00
3161	Two Pole Connector	60	Asbestos	Asbestos	6.00
3162	Two Pole Connector	100	Cable	Cable	10.50
3163	Two Pole Connector	100	Asbestos	Cable	10.50
3164	Two Pole Connector	100	Asbestos	Asbestos	10.50
3165	Four Pole Connector	5	Cable	Cable	5.00
3166	Four Pole Connector	5	Asbestos	Cable	5.00
3167	Four Pole Connector	5	Asbestos	Asbestos	5.00
3168	Four Pole Connector	15	Cable	Cable	6.00
3169	Four Pole Connector	15	Asbestos	Cable	6.00
3170	Four Pole Connector	15	Asbestos	Asbestos	6.00
3171	Four Pole Connector	30	Cable	Cable	7.50
3172	Four Pole Connector	30	Asbestos	Cable	7.50
3173	Four Pole Connector	30	Asbestos	Asbestos	7.50
3174	Four Pole Connector	60	Cable	Cable	15.50
3175	Four Pole Connector	60	Asbestos	Cable	15.50
3176	Four Pole Connector	60	Asbestos	Asbestos	15.50
3177	Five Pole Connector	5	Cable	Cable	7.50
3178	Six Pole Connector	5	Asbestos	Cable	9.00
3179	Single Pole Connector	5	Cable	Cable	.24

FLUSH TYPE CONNECTOR OUTLETS

Furnished with a Brass plate to fit the standard outlet box. 5, 15, or 30 ampere female end of connector (load line) is recessed in floor, ceiling or wall.

Cat. No.	Amperes	List Price
3180	5	\$2.00
3181	15	2.50
3182	30	4.00

Multiple connector outlets: To order

CARTRIDGE FUSES

N.E.C. Standard

	Price each
10 to 30 amperes	\$.20
30 to 60 amperes	.30
65 to 100 amperes	.90

LINK FUSES

2 1/2" Centers

	Price per 100
5 to 30 amperes	\$ 6.00
35 to 60 amperes	8.00
65 to 100 amperes	10.00

SOLDERLESS CLAMP LUGS

	Price per 100
No. 3070—For 10 and No. 12 asbestos	\$ 6.00
No. 3071—For 8 and No. 6 asbestos	9.60
No. 3072—For 4 and No. 2 asbestos	16.00

SOLDER LUGS

CENTURY standard solder lugs are designed to prevent copper leaks and are used for cable and asbestos terminals.

Cat. No.	Hole size	Amperage	Price-each
3073	1/4 inch	35	\$.06
3074	3/8 inch	70	.08
3075	1/2 inch	125	.12
3076	5/8 inch	225	.30
3077	3/4 inch	400	.50

DIMMERS

Light is as vital and as moving as life itself. The lesson of changing light is taught us by Nature herself. We have learned what variety of illumination results from the daily course of the Sun and the movement of the clouds. And the humble dimmer, when properly used, can also treat us to a full range — from brightness to darkness. Correspondingly, it enables us to change not only intensity, but color and distribution as well. This is accomplished by altering the amount of current in each circuit or lighting instrument involved. The dimmer is the brain of the nervous system of lighting. It has been developed to dim any wattage smoothly from full brightness to "out".

DIMMERS

NON-INTERLOCKING CIRCULAR TYPE

CENTURY Non-Interlocking Circular Dimmers are best suited for few circuit requirements. They are capable of controlling metallic filament lamps. Mountings are arranged for wall or edgewise with bracket. Proper ventilation. Sizes vary with increased wattage capacities.



Cat. No.	Watts	No. of Steps	No. and Size of Plates	List Price
2757	250	32	1-8"	\$13.00
2758	400	32	1-8"	13.00
2759	500	32	1-8"	14.00
2760	650	32	1-8"	16.00
2761	1000	54	1-13"	18.00
2762	1350	54	1-13"	20.00
2763	1650	54	1-13"	23.00
2764	2000	68	1-15 1/2"	28.00
2765	2450	68	1-18"	33.00
2766	3000	68	1-18"	42.00
2779	4000	68	2-15 1/2"	56.00
2780	6000	68	2-18"	66.00
2781	7000	68	3-18"	100.00
2782	9900	68	3-18"	100.00

For Edgewise Mounting: Add 10% to List Price.



NON-INTERLOCKING SLIDER TYPE

Cat. No.	Wattage	List Price
2750	250 to 300	\$20.00
2751	400 to 500	20.00
2752	750 to 1000	25.00
2753	1500 to 2000	33.00



RECTANGULAR TYPE

Cat. No.	Wattage	List Price
2754	4000	\$66.00
2755	5000	66.00
2756	6000	73.00

To Interlock: Add \$15.00 per plate to List Price.

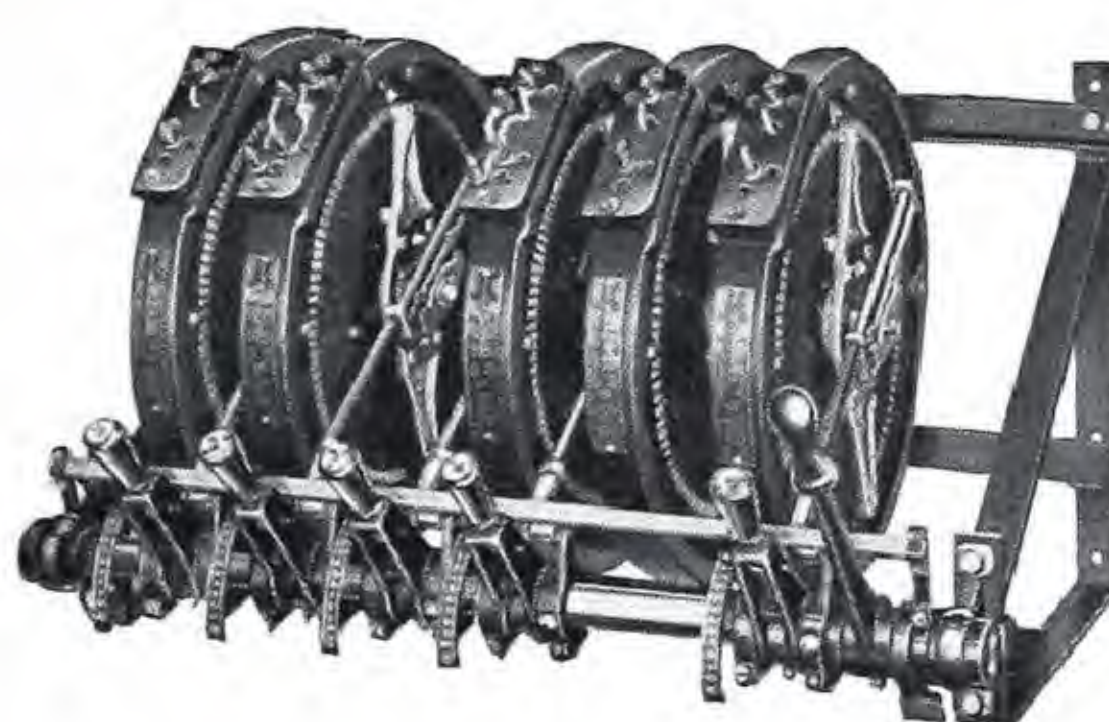


DIMMERS

INTERLOCKING CIRCULAR TYPE

FEATURES OF CENTURY SIMPLICITY INTERLOCKING DIMMERS

1. Continuous duty.
2. Wattage dissipation equalized over entire plate.
3. Rack and pinion drive.
4. One hundred and ten steps of resistor.
5. Flickerless dimming of all types of lamps.
6. Extremely fine variations in lamp brilliancy.
7. Easy removal of individual plates.
8. Cophite self-lubricating contact brushes.
9. Large contact area between brushes and segments.
10. Extra large contact segment in short circuit position.
11. Solderless copper strip connections between brushes and contact levers—no pigtails.
12. Terminals mounted on solid block of insulation with large clearance to ground.
13. Compactly designed and yet with sufficient factor of safety to maintain safe temperature of issuing air.
14. Circuit indicating labels.
15. Indicators on all dimmers.
16. Universal end bracket design for single row banks permits various forms of construction with the same set of standard parts.



Cat. No.	Watts	No. and Size of Plates	List Price
2767	1000	1-15 1/2"	\$54.00
2768	1500	1-15 1/2"	54.00
2769	2000	1-15 1/2"	54.00
2770	3000	1-18"	66.00
2771	3300	1-18"	78.00

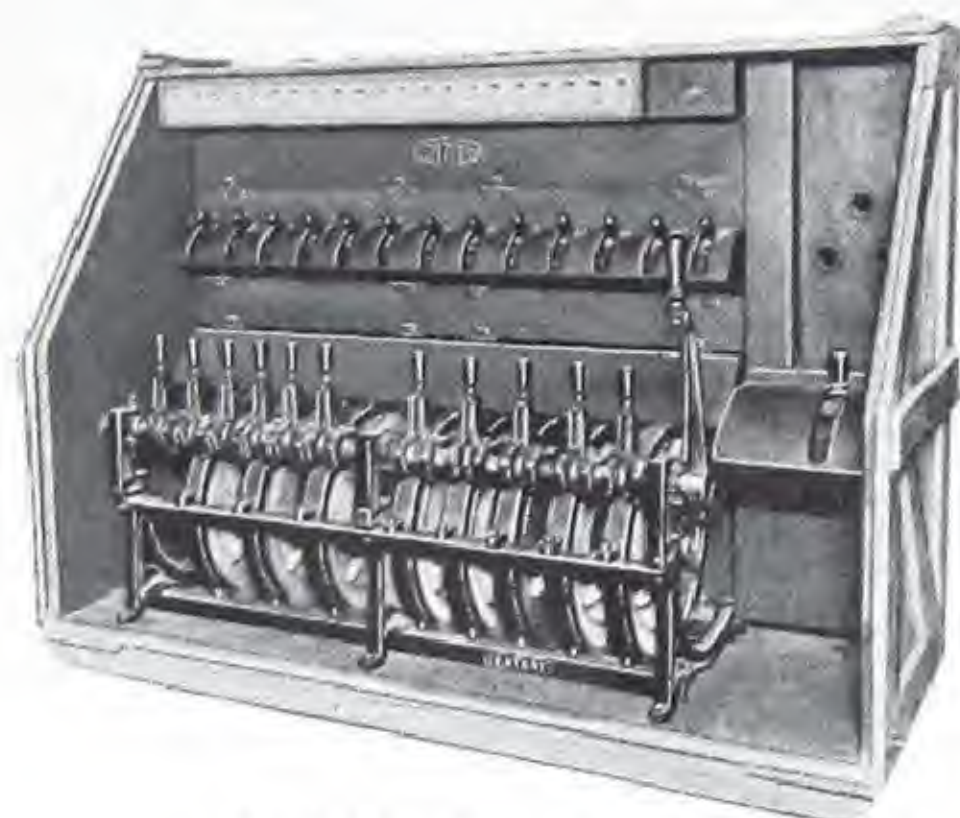
Cat. No.	Watts	No. and Size of Plates	List Price
2772	4200	2-18"	\$132.00
2773	6600	2-18"	156.00
2774	8100	3-18"	198.00
2775	9600	3-18"	210.00
2776	10200	3-18"	222.00

INTERLOCKING CIRCULAR TYPE — VARIABLE CAPACITY

Cat. No.	Watts	No. and Size of Plates	List Price
2777	1000 to 2000	1-18"	\$66.00
2778	1500 to 3000	1-18"	78.00

DIMMERS

PORTABLE DIMMERS AND SWITCHBOARD



Portable Dimmer Board

CENTURY portable boards are utilized for traveling productions, outdoor shows, and in places where temporary or additional light control is required. Carried in stock. Available for rental at nominal cost. Others can be built to exact sizes and specifications. In submitting data please include the following information:

- Number of dimmers.
- Type—interlocking or non interlocking 110 volt or 220 volt.
- Number of switches.
- Number of pockets per dimmer.
- Number of independent pockets and switches—if any.
- Length of main feed cable.

DIMMERETTE SWITCHBOARD



CENTURY dimmerette switchboard consists of a non-interlocking dimmer, two toggle switches, two fuses, and a plug-in block with two 15 ampere, two-wire pin connectors. The unit is compact, totally enclosed, and in accordance with Underwriters' requirements.

Single dimmerette switchboards can be plugged into a wall outlet of sufficient capacity. Each unit is furnished with terminal blocks and buss bars. The original purchase of switch sections only allows for circuit control. Dimmerettes can be added later.

A master switch section consists of a 2 pole, 60 ampere, externally operated knife switch with two fuses. If the total load exceeds 120 amperes, additional switch sections must be provided.

<u>Wattage Range</u>	<u>Dimmerette & Switchboard</u>	<u>Dimmerette only</u>	<u>Switchboard only</u>
250-400	\$40.00 each for any size	\$23.00 each for any size	\$17.00 each for any size
400-550			
550-750			
750-1000			
1000-1350			
1350-1650			

MASTER SWITCH SECTION: ADD \$22.00 TO LIST PRICE

DIMMERS

VARIABLE TRANSFORMERS

NON-INTERLOCKING TYPE



This is a new application of an old principle. It is a multi-capacity dimmer. With the variable transformer, it is only necessary to determine the maximum lamp wattage load, for it will dim any lesser wattage right down to one 50 watt lamp.

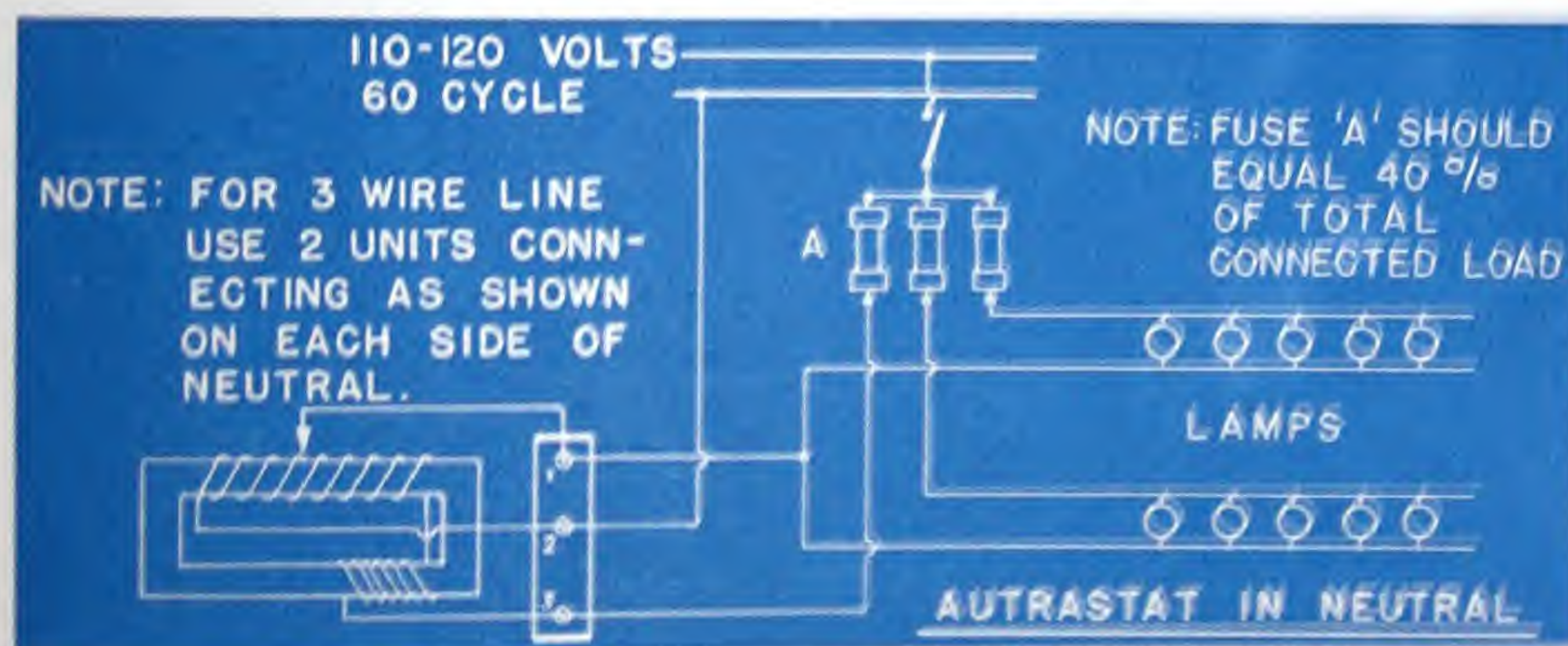
It is a variable transformer having a contactor moving directly upon the turns of wire. Highly efficient, it is used on alternating current supply only.

INTERLOCKING TYPE



EXAMPLE: If maximum lamp wattage is 4000 watts, order a 4000 watt variable transformer. It will dim 4000 watts, as well as a lesser wattage, down to 50 watts.

METHOD OF WIRING — HOOK UP



Cat. No.

2789

Maximum Capacity

4000 Watts

Non-Interlocking

\$70.00

Interlocking

\$95.00

EXTRA CHARGE FOR MASTER HANDLE ON INTERLOCKING TYPES

REMOTE COLOR CONTROL

This device allows the operator to change the color screens on a light instrument which may be located at any distance from the point of control.

The device depends upon the synchronous action of a driving motor and a receiving motor. The operator sets a selector disc which is mechanically connected with the driving motor. The driving motor, in turn, controls electrically the position of the receiving motors at the distant light.

The use of this system allows the immediate change of color screens without the necessity of a "blackout" or white interval or simultaneous use of two or more color screens.

"Blackouts" or "flash" to white can be accomplished as readily. The control of any number of distant lighting instruments can be effected by one selector disc.

Special requirements of grouping can be provided for in the design of the control board. The operator, by means of the selector disc, can cause any number of distant units to act in concert.

The mechanical and electrical design has been developed to provide a system which will be simple to operate and which will be fast, accurate, and reliable in performance.

These remote color change units are made to fit any of the listed lighting instruments. The cost of the Remote Color Changer, to include the selector control, is \$200.00. (Light instruments excluded.)

Specifications, including wiring diagram, available upon application.

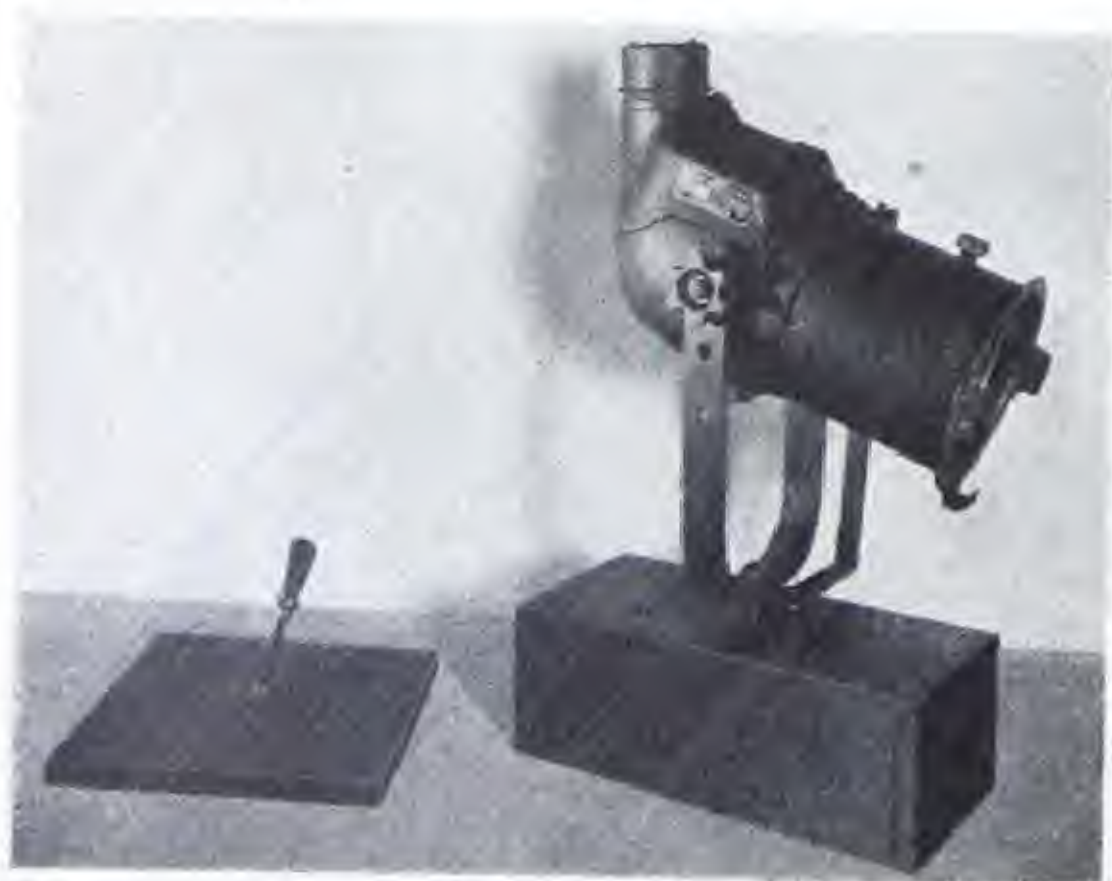


REMOTE DIRECTION CONTROL

The Century Remote Direction Control makes it possible for the operator to change the direction of a light unit which may be located at any distance from the control station.

A lever with universal action is mounted on a control board. The operator, by moving this lever, causes the beam of the light unit to follow, precisely, the motion of the lever.

By the grouping and mechanical arrangement at the control board, any number of light units can be operated in concerted action. This will allow convergence and divergence or any special group action of the beams. An individual unit may, at any time, be released from its group and individually operated.



SPECIFICATIONS AND COST ON APPLICATION

CABLE

2 Conductor

Size	Carrying Capacity in Amperes	Price per 100 ft.	Size	Carrying Capacity in Amperes	Price per 100 ft.
18	3	\$ 3.80	0	125	78.00
16	6	5.00	00	150	105.60
14	15	7.50	0000	225	140.00
12	20	10.00	3 Conductor		
10	25	13.75	8	70	30.00
8	35	19.50	6	100	44.00
6	50	30.00	4	140	48.00
4	70	38.00	1	200	90.00
2	90	55.00	00	300	140.00
1	100	65.00			

No. 12 BORDERLIGHT CABLE 20 Ampere Capacity

Number of Conductors	Price per 100 ft.	Number of Conductors	Price per 100 ft.
3	\$ 20.25	16	95.60
4	26.30	18	108.90
6	38.50	20	119.10
8	48.15	24	142.00
12	73.00	28	160.00
14	84.60		

ASBESTOS COVERED WIRE Single Conductor

Size	Carrying Capacity in Amperes	Price per 100 ft.	Size	Carrying Capacity in Amperes	Price per 100 ft.
16	10	\$ 7.00	8	50	15.00
14	20	9.00	6	70	22.00
12	25	10.00	4	90	30.00
10	30	12.00	2	125	40.00

RUBBER COVERED WIRE 2 Conductor

Size	Carrying Capacity in Amperes	Price per 100 ft.
18	3	\$ 10.00
16	6	15.20
14	15	22.00
12	20	32.00
10	25	38.00

CLAMPS

ADJUSTABLE PIPE CLAMPS AND OFF-SET YOKE HANGERS



CENTURY adjustable pipe clamps are made to take up to 2" pipe. Made of malleable iron. Properly reinforced and constructed to hold apparatus firmly.

Cat. No.	List Price
3200 Adjustable clamp to grip up to 2" pipe.	\$1.50
3206 Side arm clamp to grip up to 2" pipe. Swing joint	2.50
3207 12" pipe with clamp to grip up to 2" pipe. Swing joint.	2.75
3208 12" Jiffy Hanger with clamp to grip up to 2" pipe. Swing joint.	3.50
3209 Off-set yoke with clamp to grip up to 2" pipe. Swing joint.	5.75
3210 2 piece clamp to grip up to 2" pipe	1.50
3211 Heavy duty clamp to grip up to 2" pipe	5.50

CARBONS

Upper Jaw—Direct Current Low Intensity Projector Carbon—Cored List Price in Packages of 50

1/2" x 6"	\$ 2.00	3/4" x 6"	\$ 4.75
1/2" x 12"	4.50	3/4" x 12"	7.75
5/8" x 6"	3.75	7/8" x 12"	10.00
5/8" x 12"	6.00	1" x 12"	13.75

Lower Jaw—Direct Current "Orotip" Projector Carbons List Price in Packages of 50

5/16" x 6"	\$ 3.25	7/16" x 6"	\$ 4.00
3/8" x 6"	3.75	1/2" x 6"	4.25



LAMP DATA

FOR SPOTLIGHTING

Wattage	Shape & Type	Base	Filament	Rated Life In Hours	List Price
75	G16 1/2 Spot	Bayonet Screw	C 5	200	\$ 1.45
100	P 25 Spot	Medium Screw	C 5	200	.85
100	P 25 Flood	Medium Screw	C 5	800	1.15
100	P 25 Spot	Medium Prefocus	C 5	200	1.00
100	T 10 Spot	Medium Prefocus	C13	200	3.75
100	T 8 Projection	Bay. Single Con.	CC13	50	1.20
250	G30 Flood	Medium Prefocus	C 5	800	1.75
250	G30 Spot	Medium Screw	C 5	200	1.50
250	G30 Spot	Medium Prefocus	C 5	200	1.65
250	T 12 Spot	Medium Prefocus	C13	200	4.75
250	T 20 Spot	Medium Prefocus	C13	200	3.50
400	G30 Flood	Medium Prefocus	C 5	800	3.15
400	G30 Spot	Medium Screw	C 5	200	2.65
400	G30 Spot	Medium Prefocus	C 5	200	2.80
400	G30 Spot	Medium Prefocus	C13D	200	4.75
500	G40 Spot	Mogul Prefocus	C 5	200	4.40
500	T 12 Spot	Medium Prefocus	C13D	200	6.50
500	T 12 Flood	Medium Prefocus	C13D	800	7.75
500	T 20 Spot	Medium Prefocus	C13D	200	6.50
500	T 20 Spot	Medium Prefocus	C13	200	4.00
1000	G40 Spot	Mogul Screw	C 5	200	6.25
1000	G40 Spot	Mogul Prefocus	C 5	800	6.65
1000	T 24 Spot	Bipost	C13D	200	11.50
1000	G40 Spot	Mogul Prefocus	C13D	200	9.50
1500	G40 Spot	Mogul Screw	C 5	200	9.00
1500	G40 Spot	Mogul Prefocus	C 5	200	9.40
1500	T 24 Spot	Bipost	C13D	200	13.75
1500	G40 Spot	Mogul Prefocus	C13D	200	12.75
2000	G48 Spot	Mogul Bipost	C13	200	13.00
2000	G48 Spot	Mogul Screw	C13D	200	16.50
2000	G48 Spot	Mogul Prefocus	C13D	200	16.90
2000	G48 Spot	Mogul Screw	C 5	200	14.00
2000	G48 Spot	Mogul Prefocus	C 5	200	14.40
2000	G48 Spot	Mogul Prefocus	C 5	800	15.40
2000	T 30 Spot	Mogul Bipost	C13D	200	15.25
5000	G64 Spot	Mogul Bipost	C13	100	35.00
5000	G64 Spot	Mogul Bipost	C13D	100	60.00
10000	G96 Spot	Prong	C13	100	100.00

FOR GENERAL LIGHTING

10	S 14 Clear	Medium Screw	1500	\$.15
15	A17 Inside Frost	Medium Screw	1000	.15
25	A19 Inside Frost	Medium Screw	1000	.15
25	T 10 Clear	Medium Screw	1000	.35
40	A19 Inside Frost	Medium Screw	1000	.15
40	T 8 Clear	Medium Screw	1000	.90
50	A19 Inside Frost	Medium Screw	1000	.15
60	A21 Inside Frost	Medium Screw	1000	.15
75	A21 Inside Frost	Medium Screw	750	.20
100	A23 Inside Frost	Medium Screw	750	.20
150	A25 Inside Frost	Medium Screw	750	.25
150	A25 Clear	Medium Screw	1000	.25
200	PS30 Clear	Medium Screw	1000	.45
300	PS35 Clear	Mogul Screw	1000	.75
500	PS40 Clear	Mogul Screw	1000	1.40
750	PS52 Clear	Mogul Screw	1000	3.75
1000	PS52 Clear	Mogul Screw	1000	4.00
1500	PS52 Clear	Mogul Screw	1000	5.75

LUMILINE LAMPS

Wattage	Shape & Type	Length	Rated Life In Hours	List Price
30	T 8 Clear	17 3/4"	1500	\$.95
30	T 8 White & Col.	17 3/4"	1500	1.05
40	T 8 Clear	11 3/4"	1500	.85
40	T 8 White & Col.	11 3/4"	1500	.95
60	T 8 Clear	17 3/4"	1500	.95
60	T 8 White & Col.	17 3/4"	1500	1.05

Special Low Voltage Lamp

50 Candle Power. 6 or 8 volts. Single Contact Bayonet Base \$.40

COLOR RECOMMENDATION FOR STAGE LIGHTING

Location	Primary	Secondary	Warm	Cool
TONAL AND BLENDING LIGHTS				
FOOTS	Red.....66 Green.....49 Blue.....37	Amber.....59 Magenta.....11 Cyan Blue...40		
BORDER	Red.....66 Green.....49 Blue.....37	Amber.....59 Magenta.....11 Cyan Blue...40		
ACTING AREA LIGHTS				
FRONT SPOTS			Amber.....57 or 58 Pink.....2 or 3 Pink and Straw..2 & 55	Steel Blue.....29 Clear Surprise Pink.....17
BRIDGE SPOTS			Amber.....57 or 58 Pink.....2 or 3 Pink and Straw..2 & 55	Steel Blue.....29 Clear Surprise Pink.....17
BACKGROUND LIGHTS				
GROUND ROW				Dark Blue.....37 Med. Blue.....32
CYCLORAMA OVERHEAD			No. 1 Combination Dark Blue.....37 Steel Blue.....29 Pink and Straw..3 & 55	No. 2 Combination Dark Blue.....37 { Urban Blue 39—in Med. Blue.....32 use with a Pink and Straw..3 & 55 gauze.
CYCLORAMA FLOOR			Red.....66 Deep Amber.....60	Med. Blue.....32 Dark Blue.....37
MOTIVATING LIGHTS				
MOONLIGHT			Surprise Pink and Daylite Blue .17 & 25	Daylite Blue and Steel Blue...25 & 29
SUNLIGHT			Clear Very light Straw...53 Light Straw.....54	Special Blue.....304 { Clear Light Straw and Special Blue..54 & 29 } Morn Noon Afternoon

INSTRUMENT SCHEDULE

STAGE: width 32'—depth 20'

PROSCENIUM: width 20'—height 12'

I T E M	No. of Units & Cat. No.	Type of Unit	Position	Use	LAMPS		REFLECTOR	Mounting	Connecting Provisions per Unit or per Section
					No. per Section, Bulb, Filament, Service	Diameter & Focal Length			

ESSENTIAL FOR AVERAGE INTERIOR SETS

1	4 No. 1591	Lekolites	False Beam	Front Acting Area	500 T12-C13D Spotlight	Plano-Convex 6"x9"	Ellipsoidal Alzak	Yoke Pipe Clamp	18" Pig-Tails 15 Amp. Pin Conn.
2	6 No. 1201	Babylights	First Pipe	Rear Acting Area	400 G30-C5 Spotlight	Plano-Convex 5"x9"	Spherical Chromium	Yoke Pipe Clamp	18" Pig-Tails 15 Amp. Pin Conn.
3	2 No. 800	7' Footlights	(See Footnote) Front Edge of Stage	Toning of Faces and Set	40-A19 General Natural Color		Continuous Non Fade White	On Floor or in Trough	3—18" Pig-Tails 15 Amp. Pin Conn. on Each End
or	3 No. 811	5' Disappearing Footlights	(See Footnote) Front Edge of Stage	Toning of Faces and Set				Recessed	
4	1 No. 441	7'6" Borderlights	First Pipe	Blending of Acting Areas	15-100A23 General		Spherical Parabolic Etched Aluminum	End Studs Pipe Clamps	3—18" Pig-Tails 15 Amp. Pin Conn. on Each End

IN ADDITION—ESSENTIAL FOR EXTERIOR SETS

5	9 No. 2927	Wizardlites	At Top of Cyc.	Lighting of Cyclorama	250 G30 C5 Floodlight		Ellipsoidal Etched Aluminum	Universal Clamp	18" Pig-Tails 15 Amp. Pin Conn.
6	4 No. 810	6' Footlights	At Foot of Cyc.		12-75 A21 General		Spherical Parabolic Alzak	End Studs Triangle Stands	18" Pig-Tails 15 Amp. Pin Conn. on Each End

FOR SPECIAL PURPOSES—HALF OF EACH ITEM ESSENTIAL

7	2 No. 1515	Projectors	Towers or Pipes	Sunlight or Moonlight	500 G40 C5 Spotlight		Parabolic Chromium	Yoke and Pipe Clamp	18" Pig-Tails 15 Amp. Pin Conn.
8	2 No. 906	Spotlights	Stands or Pipes	Special Effects and Projections	500 G40 C5 Spotlight	Plano-Convex 6"x9"	Spherical Chromium	Yoke and Pipe Clamp	18" Pig-Tails 15 Amp. Pin Conn.
	2 No. 1201	Babylights			250 G30 C5 Spotlight	Plano-Convex 5"x9"			
9	4 No. 2927	Wizardlites	Stands	Backings	250 G30 C5 Floodlight		Ellipsoidal Etched Aluminum	Universal Clamp	18" Pig-Tails 15 Amp. Pin Conn.
10	4 No. 2926	Wizardlite Jrs.	On Backs of Flats	Backings	60 A21 C9 General		Ellipsoidal Etched Aluminum	Wall Bracket	18" Pig-Tails 15 Amp. Pin Conn.
11	2 No. 441	6' Borderlights	Stage Floor or Pipes	Ground Rows, etc.	12-100 A23 C9 General		Spherical Parabolic Etched Aluminum	End Studs Pipe Clamp	3—18" Pig-Tails 15 Amp. Pin Conn. on Each End

Footnote: Footlight No. 800 to be used if front of stage is permanently built with apron or trough.

Disappearing Footlight No. 811 to be used when uninterrupted floor surface is desired if stage is used for purposes other than dramatic performances.

Recommendations: FOR THE FOOTLIGHTS—the use of BLUE, RED and GREEN.

FOR THE BORDERLIGHTS—the use of MAGENTA, CYAN BLUE, and AMBER.

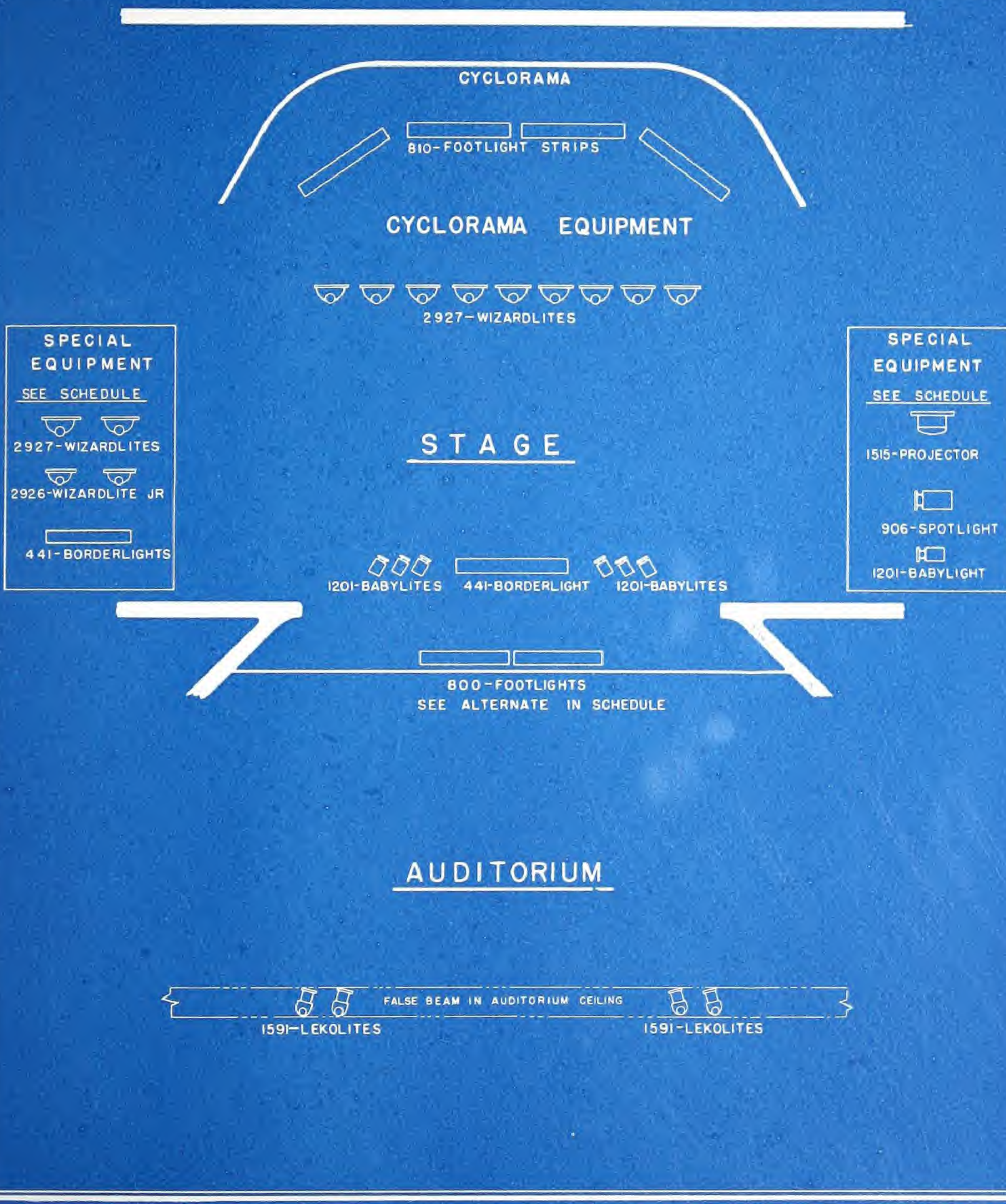
FOR THE CYCLORAMA LIGHTS—the use of DARK BLUE, LIGHT BLUE, and AMBER.

SMALL STAGE PLAN

STAGE LIGHTING LAYOUT

STAGE: 32' WIDTH - 20' DEPTH

PROSCENIUM: 20' WIDTH - 12' HEIGHT



INSTRUMENT SCHEDULE

STAGE: width 40'—depth 25'

PROSCENIUM: width 24'—height 16'



ESSENTIAL FOR AVERAGE INTERIOR SETS

I T E M	No. of Units & Cat. No.	Type of Unit	Position	Use	LAMPS		LENS		REFLECTOR	Mounting	Connecting Provisions per Unit or per Section
					No. per Section, Wattage, Bulb, Filament, Service		Diameter & Focal Length	Shape, Surface			
ESSENTIAL FOR AVERAGE INTERIOR SETS											
1	6 No. 1591	Lekolites	False Beam or Balcony Front	Front Acting Areas	500 T12 C13D Spotlight		Plano-Convex 6" x 9"		Ellipsoidal Alzak	Yoke Pipe Clamp	18" Pig-Tails 15 Amp. Pin Conn.
2	6 No. 505	Fresnelites	First Pipe	Rear Acting Areas	500 T20 C13D Spotlight		Fresnel 6" x 3 1/2"		Spherical Rhodium	Yoke Pipe Clamp	18" Pig-Tails 15 Amp. Pin Conn.
3	3 No. 808	6' Footlights	Front Edge of Stage	Toning of Faces and Set	12 } 75 A21 9 } General				Spherical Parabolic	On Floor or in Trough	3—18" Pig-Tails 15 Amp. Pin Conn. on Each End
or	4 No. 820	5' Disappearing Footlights	See Footnote①						Etched Aluminum	Recessed	
4	2 No. 441	6' Borderlights	First Pipe	Blending of Acting Areas	12-150 A25 General				Etched Aluminum	End Studs Pipe Clamps	3—18" Pig-Tails 15 Amp. Pin Conn. on Each End

IN ADDITION—ESSENTIAL FOR EXTERIOR SETS

5	4 No. 443	9' Borderlights	At Top of Cyc. See Footnote ②	Lighting of Cyc.	9 } 500 PS40 1 } General				Etched Aluminum	End Studs Pipe Clamps	3—18" Pig-Tails 15 Amp. Pin Conn. on Feed End
or	36 No. 1302	Floodlights							Ellipsoidal Etched Aluminum	Yoke Pipe Clamp	15" Pig-Tails 15 Amp. Pin Conn.
6	6 No. 810	5' Footlights	At Foot of Cyc.			12-150 A25 General			Spherical Parabolic Alzak	End Studs Triangle Stands	3—18" Pig-Tails 15 Amp. Pin Conn. on Each End

FOR SPECIAL PURPOSES—HALF OF EACH ITEM ESSENTIAL

7	4 No. 1515	Projectors	Towers or Pipes	Sunlight or Moonlight	500 G40 C5 Spotlight				Parabolic Chromium	Yoke Pipe Clamp	18" Pig-Tails 15 Amp. Pin Conn.
8	4 No. 1591	Lekolites	Stands or	Special Effects	500 T12 C13D Spotlight	Plano-Convex 6"x9"			Ellipsoidal Alzak	Yoke Pipe Clamp	18" Pig-Tails 15 Amp. Pin Conn.
	4 No. 505	Fresnelites	Pipes		500 T20 C13D Spotlight	Fresnel 6"x3 1/2"			Spherical Rhodium	Yoke Pipe Clamp	18" Pig-Tails 15 Amp. Pin Conn.
9	6 No. 2927	Wizardlites	Stands	Backings	400 G30 C5 Floodlight				Ellipsoidal Etched Aluminum	Universal Clamp	18" Pig-Tails 15 Amp. Pin Conn.
10	6 No. 2926	Wizardlite Jrs.	Backs of Flats	Backings	60 A21 General				Ellipsoidal Etched Aluminum	Wall Bracket	18" Pig-Tails 15 Amp. Pin Conn.
11	4 No. 441	6' Borderlights	Stage Floor or Pipes	Ground Rows, etc.	12-150 A25 General				Spherical Parabolic Etched Aluminum	End Studs Pipe Clamps	3—18" Pig-Tails 15 Amp. Pin Conn. on Each End
12	6 No. 906	Spotlights	Tormentors	Special Effect and Projections	1000 G40 C5 Spotlight	Plano-Convex 6"x9"			Spherical Chromium	Yoke Pipe Clamps	18" Pig-Tails 15 Amp. Pin Conn.

Footnotes: ① Footlight No. 808 to be used if front of stage is permanently built with apron or trough.

Disappearing Footlight No. 820 to be used when uninterrupted floor space is desired if stage is used for purposes other than dramatic performances.

② The Borderlights are simpler to mount. Individual Floodlights allow more flexibility both in directing and division of color or circuits.

Recommendations: FOR THE FOOTLIGHTS—the use of BLUE, RED and GREEN. FOR THE BORDERLIGHTS—the use of MAGENTA, CYAN BLUE, and AMBER.

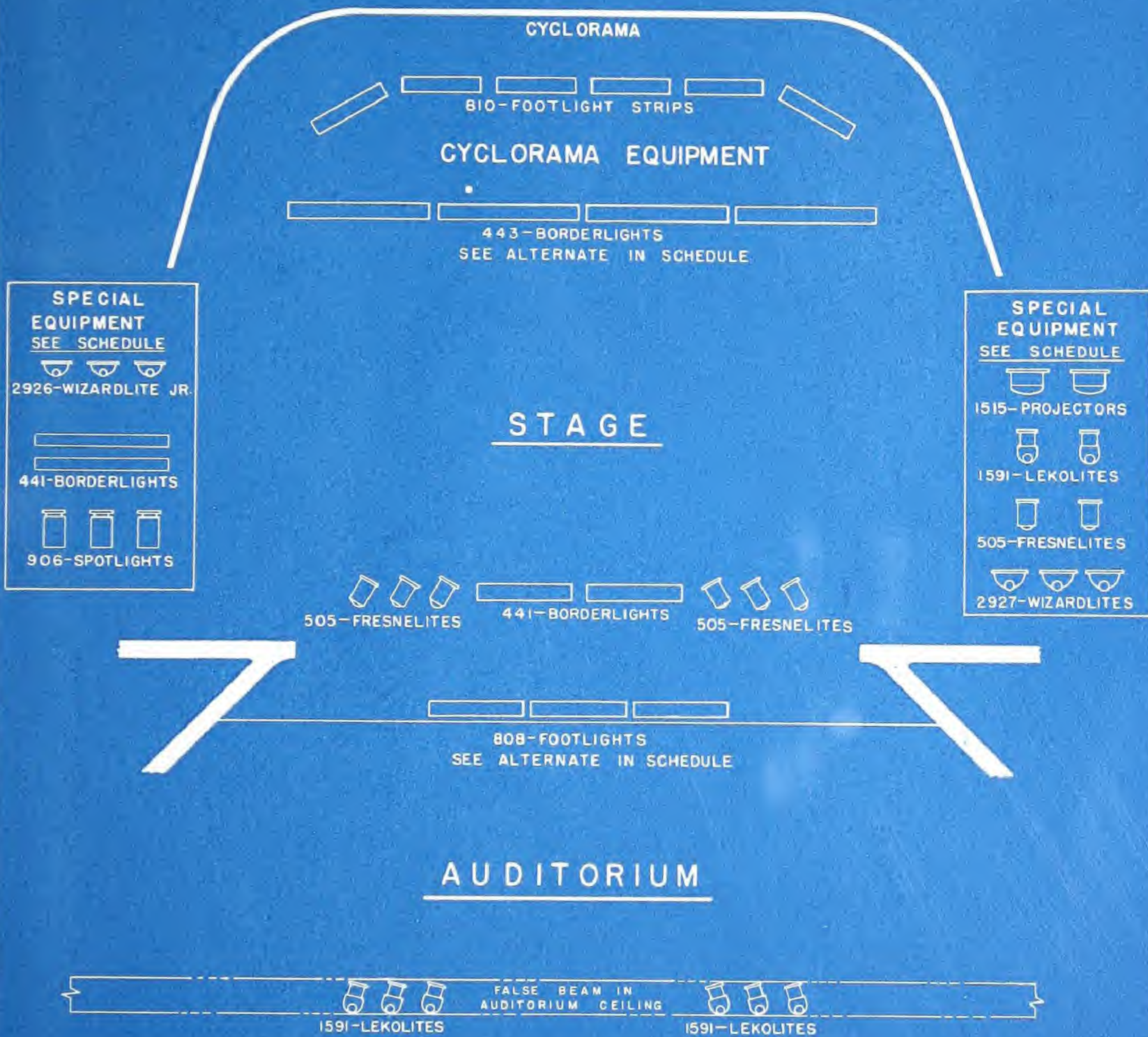
FOR THE CYCLOPAMA LIGHTS—the use of DARK BLUE, LIGHT BLUE, and AMBER.

MEDIUM STAGE PLAN

STAGE LIGHTING LAYOUT

STAGE: 40' WIDTH - 25' DEPTH

PROSCENIUM: 24' WIDTH - 16' HEIGHT



INSTRUMENT SCHEDULE

STAGE: width 60'—depth 40'

PROSCENIUM: width 30'—height 24'

I T E M	No. of Units & Cat. No.	Type of Unit	Position	Use	LAMPS	LENS	REFLECTOR	Mounting	Connecting Provisions per Unit or per Section
					No. per Section, Wattage, Bulb, Filament, Service	Diameter & Focal Length				Shape, Surface

ESSENTIAL FOR AVERAGE INTERIOR SETS

1	6 No. 1591 or 6 No. 1575	Lekolites	False Beam or Balcony Front See footnote ①	Front Acting Areas	500 T12 C13D Spotlight	Plano-Convex 6"x9"		Ellipsoidal Alzak	Yoke Pipe Clamp	18" Pig-Tails 15 Amp. Pin Conn.
2	6 No. 505	Fresnelites	First Pipe	Rear Acting Areas	500 T20 C13D Spotlight	Fresnel 8"x7 1/2"		Spherical Rhodium	Yoke Pipe Clamp	18" Pig-Tails 15 Amp. Pin Conn.
3	4 No. 808	6' Footlights	Front Edge of Stage	Toning of Faces and Set	75 A21 General 9	Fresnel 6"x3 1/2"		Spherical Parabolic	On Floor or in Trough	3—18" Pig-Tails 15 Amp. Pin Conn.
or	5 No. 820	5' Disappearing Footlights	See footnote ②					Etched Aluminum	Recessed	on Each End
4	3 No. 441	6' Borderlights	First Pipe	Blending of Acting Areas	12-150 A25 General			Spherical Parabolic Etched Aluminum	End Studs Pipe Clamps	3—18" Pig-Tails 15 Amp. Pin Conn. on Each End

IN ADDITION—ESSENTIAL FOR EXTERIOR SETS

5	5 No. 443 or 45 No. 1302	9' Borderlights Floodlights	At Top of Cyclorama See footnote ③	Lighting of Cyclorama	9 500 PS40 General 1			Spherical Parabolic Etched Aluminum	End Studs Pipe Clamps	3—18" Pig-Tails 15 Amp. Pin Conn. on Feed End
6	10 No. 413	6' Borderlights	At Foot of Cyclorama					Ellipsoidal Etched Aluminum	Yoke Pipe Clamp	18" Pig-Tails 15 Amp. Pin Conn.
					9-200 PS30 General			Spherical Parabolic Alzak	End Studs Triangle Stands	3—18" Pig-Tails 15 Amp. Pin Conn. on Each End

FOR SPECIAL PURPOSES—HALF OF EACH ITEM ESSENTIAL

7	6 No. 1502	Projectors	Towers or Pipes	Sunlight or Moonlight	1000 G40 C5 Spotlight			Parabolic Chromium	Yoke Pipe Clamp	18" Pig-Tails 15 Amp. Pin Conn.
8	2 No. 1591 2 No. 501 2 No. 1008	Lekolites Fresnelites Spotlights	Stands or Pipes	Special Effects Projections	500 T12 C13D Spotlight 1000 G40 C13D Spotlight 2000 G48 C5 Spotlight	Plano-Convex 6"x9" Fresnel 8"x4 5/8" Plano-Convex 8"x12"		Ellipsoidal Alzak Spherical Rhodium Spherical Rhodium	Yoke Pipe Clamp	18" Pig-Tails 15 Amp. Pin Conn.
9	12 No. 505	Fresnelites	Tormentors	Special Effects	500 T20 C13 Spotlight	Fresnel 6"x3 1/2"		Spherical Rhodium	Yoke Pipe Clamp	18" Pig-Tails 15 Amp. Pin Conn.
10	6 No. 2927	Wizardlites	Stands	Backings	400 G30 C5 Floodlight			Ellipsoidal Etched Aluminum	Universal Clamp	18" Pig-Tails 15 Amp. Pin Conn.
11	6 No. 2926	Wizardlite Jrs.	On Backs of Flats	Backings	60 A21 General			Ellipsoidal Etched Aluminum	Wall Bracket	18" Pig-Tails 15 Amp. Pin Conn.
12	4 No. 441	9' Borderlights	Stage Floor or Pipes	Ground Rows, etc.	18-150 A25 General			Spherical Parabolic Etched Aluminum	End Studs Pipe Clamps	3—18" Pig-Tails 15 Amp. Pin Conn. on Each End
13	2 No. 200	Arclights	Booth	Effects	75 Ampere Arc	Plano-Convex 6"x9"			Rheostat Stand	75 Amp. Plug

Footnotes: ① For throws under 35 ft.—Use No. 1591. For throws over 35 ft.—Use No. 1575.

② Footlight No. 808 to be used if front of stage is permanently built with apron and trough.

Disappearing Footlight No. 820 to be used when uninterrupted floor surface is desired if stage is used for purposes other than dramatic performances.

③ Either System is adequate: The Borderlights are simpler to mount and adjust.

The individual floodlights allow more flexibility both in directing and division of color circuits.

Recommendations: FOR THE FOOTLIGHTS—the use of BLUE, RED, and GREEN.

FOR THE BORDERLIGHTS—the use of MAGENTA, CYAN BLUE, and AMBER.

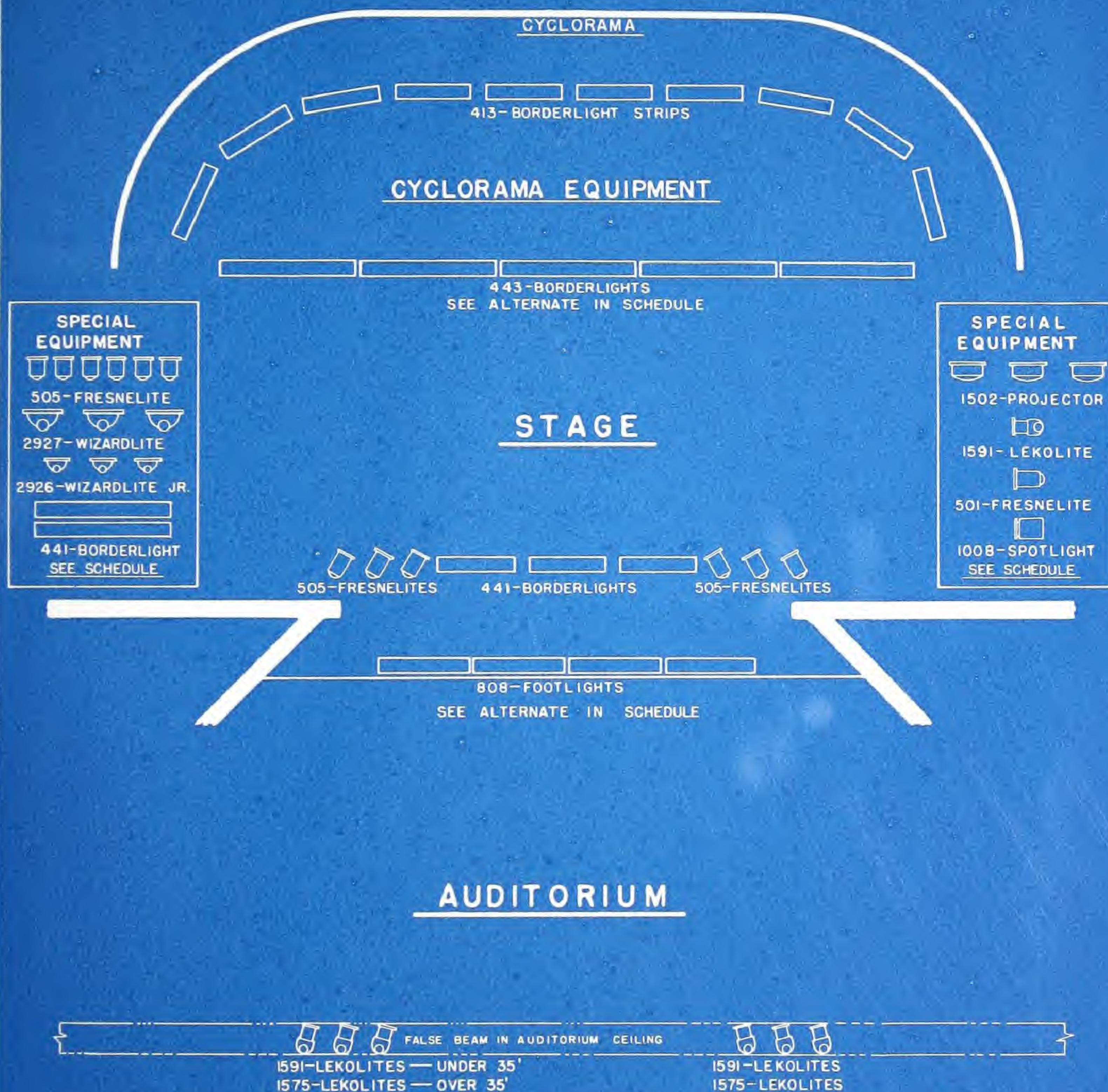
FOR THE CYCLORAMA LIGHTS—the use of DARK BLUE, LIGHT BLUE, and AMBER.

LARGE STAGE PLAN

STAGE LIGHTING LAYOUT

STAGE: 60' WIDTH - 40' DEPTH

PROSCENIUM: 30' WIDTH - 24' HEIGHT



THEATRE LIGHTING SUGGESTIONS for the ARCHITECT

An architectural engineer recently said:

"Until the architect knows enough about lighting and the engineer knows more about architecture and theatrical production, some designer who knows the problems of both (a sort of theatre lighting architect) should be employed in connection with every job."

Century offers the following suggestions to enable the architect to lay out a better lighting system for the theatre. General service rooms have not been included.

1. ENTRANCE

Vestibule and Lobby — Display frames and photo frames either free-standing or built-in positions.

Century No. 2932 and 2935 Project-O-lites, surface type, page 36.

Century No. 1651 and 1652 Project-O-lites, flush type, page 37.

These units will provide sharp framing to accent displays.

For displays that do not require sharp outlining, we recommend:

Century No. 499 Project-O-lite, flush type, page 37.

Century No. 1210 Streamline Spotlight, surface type, page 73.

Photo Frames in Recessed Door Panels.

Century No. 1820 Striplights, page 64.

These small cross section strippings allow for high intensity lamps in a small space.

Exit Sign and Directional Signs.

Century Signs are listed on pages 83 and 84 and while they illustrate Exit only, they are made to specification for directional readings.

2. GENERAL ILLUMINATION

Century Covelights are listed on pages 64 and 65. These units provide general soft over-all light. At doorways, ticket areas or entrance lanes where illumination with higher intensity is required, Century Louvre Lights, as listed on pages 42 and 43, will serve well.

3. AISLE, STEP AND CHAIR LIGHTS

Century No. 2300 series listed on page 85.

4. BALCONY FRONT LIGHTS

Century Lekolite series 1550 through 1595, pages 12 to 21.

These units are recommended for recessed installation in Balcony Facia with top door access.

Century Remote Color Control may be desired, page 98.

5. ORCHESTRA SPOTS

Century Lekolite series 1550 through 1595 pages 12 to 21.

Century Fresnelite series 501 to 505, pages 27 to 31.

Century Remote Color Control may be desired, page 98.

Recommended for recessed position through a port in the ceiling.

6. STAGE

Footlights and Borderlights.

A great variety of units to meet innumerable conditions are described and illustrated.

Refer to pages 44 thru 62.

Acting areas. For Hanging Pipes and Tormentors.

Units for narrow spread of precision beam control or instruments for wide spread with soft edge beam are the most recent development in stage use.

Refer to pages 12 thru 21 for Lekolites.

Refer to pages 22 thru 31 for Fresnelites.

Stage Pockets for Temporary Heavy duty connector.

Refer to page 82 for Floor and Wall Pockets.

Booth For Small Theatres.

Refer to page 21 for 1500 to 2000 watt Lekolite.

Booth for Medium and Large Theatres.

Refer to pages 76 and 77 for Arclights.

Accessories.

A complete line of accessories which will aid in improving special functions will be found throughout the Catalog.

7. THEATRE FACADE

Century No. 2921 through No. 2928 Outdoor Floodlights, page 81.

Marquee

Century No. 1900 Striplights for General Lighting, page 64.

Century No. 1203 Spotlight for accent lighting, page 73.

Century No. 2927 Wizardlite for Floodlighting, page 78.

MODERN RETAIL LIGHTING SUGGESTIONS

Modern retailing demands modern lighting. The suggestions we list are offered in an endeavor to create a better understanding between the architect and the engineer.

Two types of lighting are recommended: soft tonal lighting for general areas; and specific and accented lighting where merchandise is either examined or displayed.

1. GENERAL ILLUMINATION

Recessed Louvre Lights or Covelights give a pleasing general illumination.

Century No. 1640 series Louvre Lights, flush type, page 42.

Century No. 2200 series Fresnel Lens Lights, flush type, page 40.

Century No. 1900 series Covelights, page 64.

Colored lighting can be effectively accomplished by the addition of color filters. Refer to page 89.

2. SPECIFIC AND ACCENTED LIGHTING

Counters, racks, show cases, islands, free standing displays, fitting rooms, windows, all require 5 to 10 times the foot candle reading of general illumination.

Century No. 1600 series Project-O-lites, flush type, pages 34, 35, 37.

These units will provide sharply defined beams.

Where a soft edge beam is desirable, Project-O-lite No. 499, flush type, is recommended. See page 37.

This type of lighting attracts attention to the merchandise, emphasises its detail of texture and color. The light instruments are arranged for recessing in either the ceiling or the wall.

Where conditions demand it, surface type units of identical light characteristics can be furnished. The following are recommended for this use:

Century No. 505 Fresnelite, page 27.

Century No. 2930 series Project-O-lites, page 36.

Century No. 1500 series Lekolites, pages 12 to 21.

Century No. 1600 series Louvre and Lens Lights, page 43.

Colored lighting gives a luminous quality to the merchandise and enhances color values as well. Refer to page 89 for color filters.

Show Case Lighting presents a special problem because of the rigid space limitations. Century No. 1210, 75-100 watt Streamline Spotlight, surface type, page 73, is excellently adapted to this work. It is decorative in design, functional in purpose. Its high efficiency has made it useful for Free Standing Displays.

Continuous Reflector Stripping to give general illumination of show cases is often desirable. Century No. 1820 Covelights, reflector type, page 64, will serve.

3. DIRECTIONAL LIGHTS

While the signs listed indicate the word "Exit", they are made in the same design for directional reading. Immediately discernible, they give ready assistance to the shopper. Century signs are listed on pages 83 and 84, flush and surface types.

Special designs to conform to the general architectural scheme are available.

4. LIGHTING FOR FASHION SHOWS

The recommendations listed on page 108 under Theatre Lighting Suggestions are equally applicable to the lighting of Fashion Show stages. Century invites you to bring your problems to them.

SPECIAL STANDS

These stands are designed to facilitate the movement of lighting equipment before and during the taking of pictures. The casters are silent. The arms of the stands are readily extended or retracted. The mechanisms of the counter balanced units are fool-proof. Its control is always accessible from the floor.



<u>Cat. No.</u>	<u>Description</u>	<u>List Price</u>
2934	Chromium Plated 10 ft. Stand with tripod heavy base and rubber casters. Counter balanced. Sliding member for carrying light unit. Conveniently located toggle switch and set screws for locking sliding member in position.	\$ 85.00
2937	Chromium plated 10 ft. stand with tripod heavy base and rubber casters. Counter balanced. Sliding member with boom arm carries light unit. Mechanical remote control which permits angling of the light unit. Conveniently located toggle switch. Set screws permit locking sliding member in position.	\$145.00
2938	All Aluminum Collapsible Stand. Extremely light. Weighs only 7 lbs. In folded position, its height is 3 ft. and in extended position, 10 ft. The tripod base, to balance weight at the extreme end, can be extended to 3 ft. in floor area.	\$ 25.00



CATALOG NUMBER INDEX

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157	89	837	50	1595	15	2206	40	2444	88	3055	91
160	89	838	50	1626	43	2207	40	2446	88	3056	91
162	89	842	47	1627	43	2208	40	2448	88	3057	91
164	89	843	47	1630	43	2270	83	2450	88	3065	91
166	89	844	47	1631	43	2271	83	2451	88	3070	92
170	89	845	47	1634	43	2272	83	2452	88	7071	92
172	89	846	47	1635	43	2273	83	2453	88	3072	92
174	89	847	47	1640	42	2274	83	2454	88	3073	92
176	89	848	51	1641	42	2280	83	2550	87	3074	92
200	77	849	51	1642	42	2281	83	2555	87	3075	92
201	77	850	51	1645	34	2289	84	2560	90	3076	92
400	62	851	51	1646	34	2291	84	2561	90	3077	92
401	62	852	51	1647	34	2292	84	2562	90	3091	82
402	62	853	51	1648	35	2293	84	2563	90	3092	82
403	62	860	53	1649	35	2294	84	2564	90	3093	82
406	62	861	53	1650	35	2295	84	2565	90	3094	82
406 1/2	62	862	53	1651	37	2296	84	2566	90	3101	82
411	56	900	72	1652	37	2297	84	2567	90	3102	82
413	57	901	72	1660	38	2298	84	2575	90	3103	82
414	58	906	72	1661	38	2299	84	2576	90	3104	82
423	56	1000	72	1662	39	2300	85	2577	90	3125	92
424	57	1001	72	1663	39	2301	85	2578	90	3126	92
425	58	1008	72	1820	64	2302	85	2750	94	3130	92
441	56	1100	72	1900	64	2304	85	2751	94	3131	92
442	57	1101	72	1903	65	2350	86	2752	94	3140	92
443	58	1200	73	1906	65	2355	86	2753	94	3141	92
450	59	1201	72	1908	65	2375	88	2754	94	3142	92
451	59	1203	73	1910	65	2377	88	2755	94	3143	92
452	59	1204	73	1911	65	2378	88	2756	94	3150	92
455	60	1205	72	1914	65	2380	88	2757	94	3151	92
456	60	1210	73	1916	65	2381	88	2758	94	3152	92
457	60	1302	78	1917	65	2382	88	2759	94	3153	92
460	61	1303	78	1918	65	2385	88	2760	94	3154	92
461	61	1304	78	1919	65	2386	88	2761	94	3155	92
462	61	1350	78	1920	65	2388	88	2762	94	3156	92
499	37	1400	78	1921	65	2389	88	2763	94	3157	92
501	28	1450	78	1925	66	2390	88	2764	94	3158	92
502	29	1451	78	1926	66	2392	88	2765	94	3159	92
503	30	1500	80	1927	66	2393	88	2766	94	3160	92
504	31	1501	70	1928	66	2395	88	2767	95	3161	92
505	27	1502	70	1929	66	2396	88	2768	95	3162	92
600	72	1510	70	1930	66	2398	88	2769	95	3163	92
601	72	1511	70	1931	66	2399	88	2770	95	3164	92
700	72	1515	71	1932	66	2400	88	2771	95	3165	92
701	72	1516	71	1935	64	2401	88	2772	95	3166	92
800	54	1517	71	1936	64	2403	88	2773	95	3167	92
801	54	1518	71	1937	64	2404	88	2774	95	3168	92
802	54	1550	80	1938	64	2407	88	2775	95	3169	92
803	54	1551	19	1939	64	2408	88	2776	95	3170	92
808	54	1552	19	1940	64	2410	88	2777	95	3171	92
809	54	1553	19	1941	64	2412	88	2778	95	3172	92
810	54	1554	19	1942	64	2413	88	2779	94	3173	92
811	48	1559	19	1943	64	2414	88	2780	94	3174	92
811A	48	1560	21	1944	64	2415	88	2781	94	3175	92
811C	48	1561	21	2000	90	2416	88	2782	94	3176	92
812	52	1563	21	2005	90	2418	88	2789	97	3177	92
819	46	1564	21	2026	90	2419	88	2920	81	3178	92
820	46	1565	21	2029	90	2420	88	2921	81	3179	92
821	46	1570	17	2120	90	2422	88	2922	81	3180	92
822	46	1572	17	2130	90	2425	88	2925	78	3181	92
823	53	1573	17	2143	90	2428	88	2926	78	3182	92
		1574	17			2430	88	2927	78 & 80	3200	99
						2431	88	2928	81	3206	99
								2931	36	3207	99
								2932	36	3208	99
								2934	110	3209	99
								2935	36	3210	99
										3211	99

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